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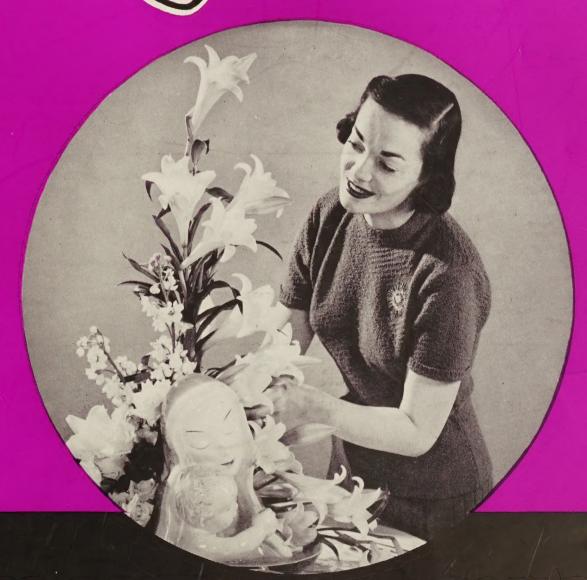


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\* FEB3 = 1954 \*

U. S. Department of American

# IN C. WEST CHICAGO, ILLINOIS U. S. A.



PLANTS and BULBS

1953-1954



**BOB CHASE** Plant Department

## TO OUR CUSTOMERS:

This is the second annual edition of our Plant and Bulb catalog. The response from you to our first edition was so favorable that we now plan to revise and print our catalog annually.

One of the difficulties in preparing a catalog of plant and bulb items months ahead of delivery of the items listed revolves around the impossibility of establishing prices. Prices charged for many of the items in this catalog are not established until just before shipping time. Prices shown in this catalog were in effect at the time the catalog went to press, but many of these prices will obviously be subject to change for shipments made this coming fall and winter. If you are interested in current prices for items listed in this catalog, a letter from you will give you the latest information that we have.



CLARENCE BAHNFLETH **Bulb Department** 

Horge K. Ball President

Bob Chase and Clarence Bahnfleth, managers respectively of our Plant and Bulb Departments, whose pictures appear on this page, are the men responsible for their departments. When you have occasion to write either department, why not write to either Bob or Clarence personally? For the same reason you enjoy letters written to YOU, they enjoy correspondence addressed to them. The better you get to know them and the better they get to know you, the better job we can all do of supplying you with "all the Best" in plants and bulbs.

### PLANT and BULB CATALOG-1953-'54-BUSINESS TERMS

DISCOUNT ON CASH ORDERS. All bulbs 2%; plants are net.

DISCOUNT ON CHARGE ORDERS. All bulbs, 2% 10 days; plants net. If this is your first order, it should be signed with some individual's name in writing. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

All prices listed in this catalog are subject to change without notice, and are F.O.B. shipping point unless stated otherwise.

IMPORTANT. Make checks or money orders payable to Geo. J. Ball, Inc., WEST Chicago, Illinois. Not responsible for currency sent in the mail. **Business Hours** (Holidays excepted) are 8 to 12 and 1 to 5 Monday thru Friday; 9 to 12 Saturday. Our phone number is West Chicago 299.

Our business is with Florists only. We do not sell at retail.

Shortages. All items are offered subject to crop failures or shortages.

No complaints of any kind will be given consideration unless made in writing to us within 10 days from receipt of shipment.

All plants and bulbs are shipped collect and are in perfect condition All plants and bulbs are shipped collect and are in perfect condition when they are accepted by the transportation company. If there is any damage enroute from being broken, heated or frozen, CALL THE AGENT OF THE DELIVERING CARRIER to inspect the shipment upon arrival, marking on express receipt or bill of lading the condition of the package and amount of damage, etc. YOU MUST FILE CLAIM, as our responsibility ceases when the carrier accepts shipment. We cannot be responsible for the safe arrival of your plants or bulbs.

**LIMITATION OF WARRANTY,** Geo. J. Ball, Inc., warrants to the extent of the purchase price that seeds, plants, or bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, express or implied.

## **GENERAL INDEX**

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## Roses for Pot Forcing

Delivery: December—January—February F.O.B. West Chicago, Plus Packing at Cost. Shipments Travel at Purchaser's Risk.

The varieties we list here are made up of the best large flowering and small flowering floribundas and polyanthas for forcing as flowering pot plants.

We find the demand for these most active for Mother's Day sales, altho in some localities our customers enjoy a fine Easter business with them. The XXX grade is the best value.

Write us for complete cultural information.



Triomphe D'Orleans, one of the best varieties for Easter and Mother's Day.

## STANDARD VARIETIES

Ball Pink. Light rose pink; early. Triomphe D'Orleans. Red; early. Garnette. Garnet-red; early. Margo Koster. Orange early. Magna Charta. Bright pink; early. Gloria Mundi. Orange; late. Dagmar Spaeth. White; late. Dick Koster. Red; early.

## PATENTED VARIETIES XXX

Per 10  Carol Amling (New), Pink, Pat.	20-100 Each
No. 1126\$10.00	\$0.871/2
Crimson Rosette. Pat. No. 901 10.00	.871/2
Pink Rosette. Pat. No. 902 10.00	.871/2
Irene of Denmark. White. Pat. No. 889 9.00	.75

	XXX ROSE COLLECTION
60	Triomphe D'Orleans
20	Garnette
20	Gloria Mundi
20	Magna Charta

120 Case (Collection) ......\$75.00

Price includes packing charge.



## Greenhouse Bench Roses

Started Budded Rose Plants for Delivery Winter 1953, Spring 1954

**Aristocrat.** (Pat. No. 903). A new light pink sport of Pink Delight. It is definitely a better producer than the original, with equal length of stem, and has a pleasing blend of pink colors.

Better Times. The best all-round money-maker today. Still the leader in all markets and the most generally grown variety. Too well known and accepted to require further description.

**Demure.** (Pat. No. 1065) Cecile Brunner pink, especially fine for corsages. Good keeper, good shipper. Heavy petalage.

Garnette. Crisp, double, small, open Sweetheart flowers of garnet red. The foliage is dark green and always attractive. Flowers keep for a very long time after cutting and are particularly good for corsages, boutonnieres and miniature arrangements. This variety is gaining rapidly in wholesale and retail favor. Many florists have kept full-open flowers in perfect condition for over ten days. Production is increased if plants are allowed to become bushy and tall. Also excellent as a pot forcer.

**Golden Rapture.** Rich yellow shading to a light yellow. Heavy producer.

Golden Scepter (Plant Pat. No. 910). A new golden yellow cut flower with an excellent bud and open flower, long, strong shoots, and rich shiny dark green foliage. A long keeper. Golden Scepter has equal production with the Briarcliff varieties and does not produce light-colored buds as do some of the other yellows. It starts quickly and freely after being cut or pinched to produce many long-stemmed blooms. It will make money for the specialist as well as for the mass producer in all seasons of the year.

Happiness. (Pat. No. 911) A good deep red. Good petalage;

good shipper. Very long stems. Should be planted a little closer than Better Times.

Hildegarde. (Plant Pat. No. 799). A very uniform good pink Briarcliff. This has a suffusion of yellow and does not blue. It keeps a clear shade in all seasons. We recommend this variety as the best of the Briarcliffs and as very superior to the old type. A stronger grower, and does not produce bull-heads. Very popular with growers who have it.

Lily White. (Pat. No. 912) Sport of Starlite. The bud is pointed; flower is just a bit shorter, and the production is the same. Petal substance is heavier than Starlite. A much better Rose.

Orange Delight (Plant Pat. No. 874). A different color. A rich fragrance. A worth-while novelty that keeps well. Gorgeous rich burnt-orange buds and blooms with large, shiny, dark holly-like foliage. Both buds and blooms are very attractive and keep well after cutting. With their rich fragrance they create their own demand wherever seen. Orange Delight produces freely at all seasons of the year. An excellent variety to plant to have more colors available for your Rose customers.

Peter's Briarcliff. The best of the deep pink forms of Briarcliff.

Very popular. Selected carefully for uniformity in color.

Vigorous, free grower.

**Pink Garnette.** Sport of Garnette with a good clean, clear, deep pink color. Very double.

Pinocchio (Plant Pat. No. 484). The improved Sweetheart and most popular of the light pink cluster Roses. Lovely, soft shade of pink suffused with yellow. Very prolific production.

**Snow White.** (Plant Pat. 348). A clear, firm white with dark green foliage and excellent form.

Tawny Gold. (Pat. No. 950) Orange-yellow bud, opening to a clear yellow with ruffled petals. Very fragrant. Long-lasting.

Minimum order 50 of a variety, write for prices.

## Ball's Outstanding Garden Roses

Also suitable for potting

## PATENTED VARIETIES HYBRID TEAS

		*Retail . Price	Variation of D	*Retail
variety and bescription	ut. 140	. Trice	Variety and Description Pat. N	o. Price
American Flagship. Very dark red	676	\$1.75	Douglas MacArthur. Delft-rose blooms 581	\$1.75
Applause. Large, rich red, fragrant blooms	829	2.00	Eclipse. Clear yellow. Rich green foliage 172	1.75
Apricot Queen.	464	1.50	First Love. Two-tone pink	2.25
Babe Ruth, Salmon pink	996	2.00	Fandango. Rich, deep scarlet	
Bravo. Large, cardinal red	983	2.25	Forty miner Disels of the Land	2.00
Bright Eyes. Yellow	880	1.50	Forty-niner. Bicolored petals; inside oriental red, outside yellow	2.25
Buccaneer. Yellow	PAF	2.75	Fred Howard. AARS. Yellow, tipped pink 1006	
California. Ruddy gold	449	1.50	Golden Scepter. Large, golden yellow	
California Centennial, Medium red	953	2.00	Good News. Silvery pink, long-stemmed	
Capistrano. Cherry-red buds; rose pink flowers	922	2.25	Grand Duchesse Charlotte. Rich claret color 774	
Charlotte Armstrong. Red buds; large, fragrant			Heart's Desire. Crimson	X
cerise blooms	455	2.00		1.75
Chrysler Imperial. Deep red	PAF	3.00	Helen Traubel. AARS. Sparkling pink to luminous apricot. Large buds	2.75
Debonair. Primrose yellow	677	1.75	Horace McFarland. Deep red. Dark foliage 730	
Diamond Jubilee. Fragrant; buff yellow	824	2.00	K. T. Marshall. Deep rose-pink flushed yellow 607	



## Garden Roses PATENTED VARIETIES, Continued

	-	:
Variation and Description		*Retail
Variety and Description	Pat. No.	. Price
Mandalay. Largest of all yellow Roses		\$2.00
McGredy's Sunset. Orange-yellow overlaid with		
warm salmon-flame		1.75
Mirandy. Large, garnet-red blooms		2.00
Mission Bells. Large, fragrant, salmon-pink buds		
and flowers	923	2.25
Mme. Chiang Kai-shek. Lemon yellow	644	1.75
New Yorker. A truly red Rose	823	2.00
Nocturne. Large, fragrant, cardinal-red	713	2.00
Peace. Large blooms, shades of yellow, gold and		
ivory edged with pink		2.50
Pearl Harbor. Pink		1.50
Remembrance. Two-tone pink		2.00
Rex Anderson. Ivory-white, double flowers		1.75
Rubaiyat. Large, double, rose red		1.75
San Fernando. Large double, scarlet		1.75
Santa Anita. Pink		1.50
Show Girl. Rich deep pink, long buds		1.75
Sleigh Bells. White	1004	2.00
Sutter's Gold. Long, yellow buds shaded orange		
and red		2.25
Sweet Sixteen. Salmon pink, yellow base	631	1.75
Taffeta. Buds carmine-rose; blooms multicolored		
rose and pink	716	1.75
Tallyho. Rose-pink inside, deep rose outside	828	2.00
Texas Centennial. Brick-red blooms with gold		
shading to rich pink		1.50
The Chief. Flame color. Long stems	456	1.75
		2.00
Tom Brenneman, Carmine	986	2.00
Tom Brenneman. Carmine		
Tom Brenneman. Carmine		1.50
Will Rogers. Red		
	256	1.50
Will Rogers. Red FLORIBUNDAS	256 Plant	1.50 *Retail
Will Rogers. Red	256	1.50 *Retail
Will Rogers. Red  FLORIBUNDAS  Variety and Description	256 Plant Pat. No.	1.50 *Retail
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256 Plant Pat. No.	*Retail Price
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red	256  Plant Pat. No. 340 739	*Retail Price \$1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red	256  Plant Pat. No. 340 739 1062	*Retail Price \$1.50 1.50 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink	256  Plant Pat. No. 340 739 1062 643	*Retail Price \$1.50 1.50 2.00 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold	256  Plant Pat. No. 340 739 1062 643 789	*Retail Price \$1.50 1.50 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink  Chatter. Semi-double, carmine red  Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold  Geranium Red. Buds dark oxblood-red, opening	256  Plant Pat. No. 340 739 1062 643 789	*Retail Price \$1.50 1.50 2.00 2.25 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789 811	*Retail Price \$1.50 1.50 2.00 2.25 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789  811 672	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red Goldilocks. Clusters of golden yellow blooms Imp. Cecile Brunner. Pink	256  Plant Pat. No. 340 739 1062 643 789 811 672 851	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00 ** 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red Goldilocks. Clusters of golden yellow blooms Imp. Cecile Brunner. Pink  Lavender Pinocchio. A true lavender Lillibet. Salmon pink  Ma Perkins. Pink  Ming Toy. Fragrant, deep rose pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00 ** 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink Chatter. Semi-double, carmine red Connie Mack. Crimson  Dream Girl. Pink  Fashion. Luminous coral-pink overlaid with gold Geranium Red. Buds dark oxblood-red, opening to bright geranium red Goldilocks. Clusters of golden yellow blooms Imp. Cecile Brunner. Pink  Lavender Pinocchio. A true lavender Lillibet. Salmon pink  Ma Perkins. Pink  Ming Toy. Fragrant, deep rose pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	Plant Pat. No. 340 739 1062 643 789 811 672 851 947 PAF 900 PAF	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	Plant Pat. No. 340 739 1062 643 789 811 672 851 947 PAF 900 PAF	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601 712	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.75 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601  712 484 812	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.75
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601  712 484 812 1029	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601  712 484 812 1029 926	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.50 1.50 1.50 2.25 1.50 ** 2.25 1.50 ** 2.25 1.50 ** 2.25 1.50 ** 2.25
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601  712 484 812 1029 926 1010	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF 900 PAF 601  712 484 812 1029 926 1010 362	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
FLORIBUNDAS  Variety and Description  Betty Prior. Red buds opening to shell-pink	256  Plant Pat. No. 340 739 1062 643 789  811 672 851 947 PAF PAF 900 PAF 601  712 484 812 1029 926 1010	*Retail Price \$1.50 1.50 2.00 2.25 2.00 1.50 1.50 1.50 2.00 ** 2.25 1.50 ** 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50



Our koses are being grown especially for YOU, our florist customers.

CLIMBERS		
	Plant	
Variety and Description	Pat. No.	Price
Aloha. Coral pink, double	948	\$2.50
California Climber. Two-tone	PAF	2.00
Cl. Charlotte Armstrong	523	202 202
Cl. Crimson Glory. Vigorous climber	736	2.00
Cl. Floradora. Scarlet red. Hardy	PAF	2.00
Cl. Forty-niner.	1094	और और
Cl. Golden Rapture.		1.75
Cl. Peace. Large flowers in shades of yellow, gold		
and ivory edged with pink	932	2.50
Cl. Picture.	524	2.00
CI. Pinkie. Small pink buds opening fully to		
clusters of large blooms	1076	2.75
Cl. Summer Snow. Huge clusters of white dou-		
ble flowers	400	2.00
Cl. Texas Centennial. Brick-red with gold shad-		
ing to rich pink		2.00
High Noon. Bright yellow pillar Rose		2.25
King Midas. Lovely clear yellow	586	2.00

AARS-All-America Award, 1952.

\*This is the established MINIMUM retail price set by patent holder for bare root, dormant plants. For your cost, refer to table in box below.

\*\*At the time this catalog went to press, prices were not yet established.

7			
Prices	Patented	Varieties	
RETAIL PRICE (Per Variety)	Wholesale 10 Plants Each	Price (Per Var 20-90 Plants Each	iety) 100-250 Plants Each
\$3.00	1.50 1.40 1.25	\$1.50 1.37½ 1.25 1.12½ 1.00	\$1.40 1.30 1.20 1.05
1.75 1.50	1.00	.87 ½ .75	.80 .70
Prices are "per varie of total number of 10 of any one va	bushes on y	our order. Minir	num order

Any price changes will be adjusted at delivery time.



## Garden Roses

## STANDARD VARIETIES

### RED

Ami Quinard Crimson Glory Better Times Christopher Stone E. G. Hill Etoile de Hollande McGredy's Scarlet Poinsettia Red Hoover Red Radiance Red Talisman Rouge Mallerin

### PINK

Angels Mateau Briarcliff Editor McFarland Los Angeles J. Otto Thillow Peters Briarcliff Picture Pink Dawn Pink Radiance President Macia The Doctor

## WHITE

Caledonia Frau Karl Druschki K. A. Viktoria

### YELLOW

Golden Charm Golden Dawn Golden Ophelia Golden Rapture Johanna Hill McGredy's Yellow Soeur Therese

### TWO-TONE

Autumn Betty Uprichard Countess Vandal Margaret McGredy Pres. Hoover Talisman

## **FLORIBUNDAS**

Cecile Brunner Else Poulsen Floradora Golden Salmon Gruss an Aachen Imp. Lafayette Mrs. R. M. Finch Permanent Wave Red Ripples Rosenelfe

## CLIMBERS

### RED

Blaze Cl. Etoile de Hollande Cl. Poinsettia Cl. Red Radiance Paul's Scarlet Bonfire

### PINK

Cl. Pink Radiance Dorothy Perkins Dr. W. Van Fleet New Dawn

## YELLOW

Cl. Golden Sastago Cl. Yel, Talisman Silver Moon

### WHITE

Cl. Frau Karl Druschki Cl. K. A. Victoria Cl. Caledonia

### TWO-TONE

Cl. Pres. Hoover Cl. Talisman

## Prices Standard Varieties, each:

		No. 1					No. 11/2	
10	to	50\$	0.60		10	to	50	\$0.50
50	to	100	.58		50	to	100	.48
100	or	more	.55	1	00	or	more	.45

Sold in units of 10 plants, only,

Standard Varieties may be grouped in order to take advantage of the quantity rate.

## Garden Rose Collections

## STANDARD ROSE COLLECTION No. 1 150 No. 1 Grade for \$82.50

- 30 Ami Quinard
- 20 Christopher Stone 20 Poinsettia
- 30 Picture
- 10 Briarcliff
- 10 Soeur Therese
- 10 K. A. Victoria
- 20 Paul's Scarlet Climber

## GENERAL ROSE COLLECTION No. 2 150 Assorted Patented and Standards for \$145.00

- 20 Ami Quinard
- 20 Chrysler Imperial
- 10 Will Rogers
- 10 Charlotte Armstrong
- 20 Editor McFarland
- 10 Babe Ruth
- 10 Remembrance
- 10 Buccaneer
- 10 Mojave
- 10 White Pinocchio
- 10 California Climber
- 10 Paul's Scarlet Climber

The above collections are offered as a result of a survey we have made which definitely shows a preference trend. Due to the fact that at this writing Rose bushes still have a full season's

## ROSE COLLECTION No. 3

## 300 Very Select Patented Hybrid Teas, Floribundas, and Climbers for \$325.00

- 10 Applause
- 10 Blanche Mallerin
- 30 Chrysler Imperial
- 20 Douglas MacArthur
- 10 Forty-niner
- 10 Golden Sceptor
- 10 Mirandy
- 30 Peace
- 10 Remembrance
- 10 Show Girl
- 10 Sleigh Bells
- 10 Sweet Sixteen

- 10 Chatter
- 10 Crown of Jewells
- 10 Goldilocks
- 10 Lillibet
- 20 Mojave
- 20 Pink Rosette
- 10 White Pinocchio
- 10 Aloha
- 10 California Climber
- 10 Floradora
- 10 High Noon

growth ahead of them, it may be necessary to do some substituting on collections of this sort. When necessary, be assured we will select plants of equal value in the same color range.



## Carnation Cuttings for '53-'54 Season

## GENERAL LIST

F.O.B. Shipping Point. Minimum order 100 of a variety except where noted. Shipment November thru spring; state when wanted.

					6
		Cuttings ce Per			Cuttings ce Per
WHITE	100		SALMON PINK	100	1000
*Improved Olivette. New white		\$150.00	*Coral (Res.). Brilliant salmon. Large flowers \$	22.00	\$180.00
Northland. Large, fragrant white		90.00	Excellence (Res.). Largest grown medium salmon	25.00	200.00
Patrician. A good large white		90.00	Janie (Res.). Lighter than Netta and larger		180.00
*Schaefer's Peace (Res.). New white	20.00	175.00	Salmon Virginia		90.00
White Sidney Littlefield (Res.). Pure white	20.00	150.00	VELLOW		
sport of Sidney Littlefield		150.00 125.00	YELLOW		
			*Canary Queen (Res.). New yellow	22.00	180.00
LIGHT PINK			order 500.		150.00
Crowley's Sim (Res.). Blush pink sport of			*Harvest Moon (Res.), Yellow gold, Mini-		
Wm. Sim. Minimum order 250*  *Gordon (Res.). New light pink	22.00	150.00	mum order 500		150.00
Light Pink Littlefield. Light pink, similar to		100.00	Patten's Yellow (Res.). Clear yellow; strong		
Virginia Hercules	20.00	150.00	stem	20.00	150.00
*Light Pink Northland (Res.). Flesh pink, sport of Northland		150.00	ORCHID		
Netta. Popular light pink		125.00		20.00	150.00
Petersen's Pink Sim (Res.). Light pink		150.00	Orchid Weld.	20.00	150.00
Princess Elizabeth. Large flowered		125.00	VARIEGATED		
Virginia Hercules. Large sport of Virginia		125.00	*Aura (USDA). Orange red variegated	15.00	125.00
MEDILIM DINIK			Baby Bronze. Bronzy-buff with pink tint		150.00
MEDIUM PINK			Barbara Brigham. Apricot with pink pencil-	10.00	90.00
Citation. Rose pink		125.00	Butterscotch. Yellow-buff with pink tint		150.00
Rosalie (Pat.). Flower medium to large		125.00	*Desert Sun (Res.). New yellow variegated		180.00
*Serenade (Res.). Medium pink. Minimum			*Sim's Gaiety. Light pink variegated. Mini- mum order 250		150.00
Virginia Rose. Uniform production, good		150.00	Geiger's Variegated Sim (Res.). White, red		150.00
keeper	10.00	90.00	penciling		150.00
DARK BINK			Harlequin. Flecked flesh pink Lavender Rose. Lavender rose seedling		125.00
DARK PINK			Mohawk (Res.). Yellow variegated with	13.00	123.00
*Belvedere (Res.). Rose pink *Boston (Res.). Dark pink, very productive		180.00 180.00	pink stripes	22.00	180.00
Canup's Pride (Res.). Good stem; free flow-	22.00	100.00	Mrs. E. F. Guba. Pale almond, vivid pink	20.00	150.00
ering	20.00	150.00	edges and lines  Pelargonium. Mottled crimson		150.00 125.00
*Fanfare (Res.). Dark pink. Minimum order 500		150.00	*Peppermint Stick Littlefield. Pink varie-	13.00	123.00
*Saugus Pink (Res.). Deep pink		180.00	gated, similar to Pink Art	20.00	150.00
Sidney Littlefield. Extra large		150.00		20.00	150.00
Spicy Rose. Vivid rose pink	12.00	150.00	Raspberry Ice. White, overlaid with pale orchid	20.00	150.00
			Sara Jane Knipe (Pat.). Brilliant rosy ma-		
CRIMSON & RED			genta. Silver edge		150.00
C. W. Weld. Clean, healthy grower; good			Scarlet King. Sport of Pelargonium		125.00
*Durango (Res.). Crimson, Minimum order	10.00	90.00	*Scarlet Queen. Orange variegated *Schaefer's Sophie (Res). White, variegated	15.00	125.00
500		150.00	pink	20.00	175.00
Jumbo Cardinal. Improved Cardinal		125.00	Sphynx. Crimson stripes on rose	15.00	125.00
Kintzele's Deep Red. Minimum order 250 No. 14 Crimson		150.00	Starlite. Variegated white		90.00
Pimpernelle.	15.00	125.00	*Tetra-Sarah Jane (PAF). Large flowered	20.00	150.00
Red Beauty. Scarlet, similar to Wm. Sim	20.00	150.00	magenta, silver edge	25.00	200.00
Red No. 16. Same color as King Cardinal  *Schaefer's Red (Res.). New dark red		100.00	*Variegated Littlefield. Blush pink		150.00
Tom Knipe (Pat.). Large, full flower		150.00	Weirich's Peppermint Sim. Red and white,		1 70 00
Topper (Res.). Rich velvety maroon	22.00	180.00	red penciling. Minimum order 500		150.00
Wm. Sim (Pat.). Vivid red seedling		150.00	*New outstanding 1952-53 introdu	ctions	
Wooder Scallet. 148W led	. 2.00		The omstanding 1//2-// intoun	7707831	F





If you want quality in your Carnations, demand quality in your cuttings.

## Yoder Bros.

## 1952-'53 INTRODUCTIONS

You can feel completely free to order these Carnations in quantity as they have been flowered in our own greenhouses and have proved their superiority over standard varieties. But if you're not convinced that these are the best buy in Carnations, try some alongside your standard varieties for comparison.

The demand for these varieties has been heavy—get your order in now to be sure of the quantities and varieties you want. Shipped September thru June. F.O.B. Barberton, Ohio. Minimum order, 50 cuttings of a variety.

## WHITE

**Achilles.** A large, clear white; petals deeply serrated. Larger than Jupiter and more productive. Fast, early producer on long, strong stems. Free come-back in winter. A good all-year, white.

**Juno.** A medium sized, flat, well-formed white flower; very full center; free come-back in winter. This variety is good from early fall to late spring. A good keeper and shipper—in some trials, better than Olivette.

## RED

**Titan.** An intense crimson red, not quite as tall as Vulcan. Gets into production fast. Very full flower, outstanding flower substance. Consistently high production.

**Siren.** A scarlet Carnation which combines heavy production with fast come-back and uniform cropping, on stems of medium length. This variety grows to about the same height as Aphrodite and its production is equal to that of Apollo. Siren will out-produce Neptune. It should find a very important place among the varieties now available in this color class.

## VARIEGATED

Cassandra. A yellow and pink variegated; very similar to Orion, but flowers are larger and stems stronger. Variety never splits; shows excellent flower substance; an outstanding keeper.

## PINK

Cupid. Color a true Briarcliff pink; size medium. Very heavy producer, at its best December thru April. Flower is small in summer, but color remains excellent. A good keeper. This is not a large Carnation, but the production of this variety makes it a true bread-and-butter variety.

**Pandora.** A dark pink with sufficient suffusion of salmon to make it an exceptionally beautiful color under artificial light. This variety will fade during the heat of summer, but is really a new color for December thru April. Good average production; fine flower substance.

**Eros.** A light pink color, similar to that of Aphrodite, except that it is deeper in the summer and early fall. Vigorous, heavy growth; long, strong stems. Early flowering and fast come-back. Large flowers with good average production. Some splitting in early fall, but disappears as soon as night temperatures are maintained. This variety is fine for late spring, summer and early fall.

## PRICES above 8 new varieties:

Per 100
50 of a variety \$15.00
100-250 of a variety 14.25
300-450 of a variety 13.50
Per 100
500-950 of a variety \$12.75
1000-2450 of a variety 12.00
2500-up of a variety.... 11.00

Quantity prices apply to any one variety only.



## New Carnations

## PREVIOUS INTRODUCTIONS

### WHITE

Jupiter. A large, strong stemmed white.

**Aurora.** Another exceptionally large, white flower. Does well in late spring and early fall.

**Adonis.** A winter white. Satisfactory flower quality and good production. This variety is competition for Olivette.

### PINK

**Apollo.** An outstanding salmon pink, larger than Netta. A good summer flower, well suited to all areas of the country.

**Aphrodite.** A clear light pink; outside petals bleach a little in late spring and early fall, but do not burn. A good, early producer with an early comeback, it is at its best in areas of relatively high light intensity.

Diana. Light pink; a good producer.

**Venus.** A show variety. Extra large, beautiful, long stemmed, salmon pink flower.

### ROSE

**Minerva.** An unusual deep scarlet pink. Good summer flower—fades in very high light intensity, but fades uniformly with no white edge. Heavy break-back; fine keeper.

### **RED-SCARLET**

**Ceres.** Beautiful King Cardinal color and exceptionally high production. Early, with heavy comeback.

**Neptune.** Scarlet (color resembles that of Wm. Sim); a free breaker, fine stretch. A very satisfactory variety.

### MAROON

Vulcan. Excellent keeper, good comeback. Best maroon.

### YELLOW

Midas. A good yellow Carnation. Production very satisfactory.

Strongly recommended where Miller's Yellow is a problem.

### VARIEGATED

**Orion.** Color resembles that of Glowing Ember. An excellent grower and producer.

**Saturn.** A beautiful warm bronze variegated; excellent under artificial light. Promises to become a very popular novelty.



Plant on your right is Midas. The rooted cutting was benched direct June 22. The shorter plant was banded as a rooted cutting April 4, benched from band on June 22. Photo taken August 25.

PRICES above 14 varieties:	
Per 100	Per 100
	500-950 of a variety <b>\$11.45</b> 1000-2450 of a variety <b>10.80</b>
,	2500 and up of a variety 10.10 to any one variety only.

## NOTES ON CARNATIONS

Most Carnations are still either banded or set out  $3\times 3$  in. to nursery beds, then benched in June or early July. A few are still set out to the field from late May till mid-July, but losses from disease are fast eliminating this practice—plus the backbreaking work involved.

New and promising, especially for retail growers, is **direct-benching with single pinch**. It is **by far** the least work, produces as many or more flowers over the year as you get from benching a banded or "nursery bed" plant, and with just as good or better quality. The only joker is that with single pinch, you are apt to get a heavy peak cut, then for a month or so very little. Also, in order to get into flower at desirable periods, it means benching the cuttings early in May—a period when most growers still want the cut from their old plants. Retail growers can bench Carnation cuttings direct after March Snaps, Stocks, or Mums

So, as usual, we compromise—and from it will come schedules that will permit direct benching of **most** of the crop, and a reasonable **steady** production thru the year rather than heavy peaks. The schedules at right show how our own Carnation range will be handled in '53.

As with any single pinch crop, the first crop must be cut to a visible break—a shoot that is already started. If cut lower, second crop will come much later. One-third of the area to

each of the three schedules. Use only varieties that come back rapidly from a pinch. See BALL RED BOOK, page 86.

Band Cuttings (3 x 3 Veneer)	Bench Cuttings	Pinch Once only	Cut first Crop	Cut Second Crop	Remarks
April 1	By May 15	May 1	Aug. to mid-Sept.	JanFeb.	Go light on red. Repinch 1/2 of this lot.
NO	Bench cuttings direct on May 15	June 15	Late Aug. thru Oct.	Mar. 1 May 15	Go light on red. Repinch 1/2 of this lot.
NO	Bench direct June 15	July 15	NovDec.	AprMay- June	Heavier on red.

### Notes.

- 1. To avoid some of the heavy August cut from the first lot, half of the plants can be pinched a second time—about June 1. Part of the second group might also be re-pinched.
- 2. Any or all of the three groups may be banded or set out to nursery beds before benching if the old plants are still making money for you—but that means more work, slower growth.



## Azalea Collections for Forcing

Azaleas are gaining in popularity as a pot plant. They are fairly easy to bring into flower, long-lasting, and profitable. You should have an assortment for your customers.

### COLLECTION No. 1

50 plants, 5 each of the following 10 varieties: Coral Bells. Dainty coral pink; semi-double. Hexe. Deep crimson; semi-double dwarf. Hinodegiri. Carmine red. Hardy. Orange Coral Bells. Soft coral red. Rival. Double salmon rose. Rose Pericat. Hose-in-hose type. Light pink. Salmon Beauty. Salmon pink. Hose-in-hose type. Sensation. Deep pink, hose-in-hose type. Snow. Pure white hose-in-hose type. Sweetheart Supreme. Fine pink. Resembles Sweetheart Rose when opening.

**50 Kurume Azaleas,** size 6-8 (Collection)............\$42.50

## COLLECTION No. 2

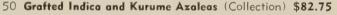
25 plants, 5 each of the following 5 varieties: Coral Bells. Dainty coral pink; semi-double. Hexe. Deep crimson; semi-double dwarf. Snow. Pure white hose-in-hose type. Sweetheart Supreme. Fine pink, Resembles Sweetheart Rose

when opening. Rose Pericat. Hose-in-hose type. Light pink,

25 Kurume Azaleas, size 8-10 (Collection) ..........\$25.00

## COLLECTION No. 3

- 10 Coral Bells (6-8). Dainty coral pink; semi-double.
- 5 Snow (6-8). Pure white hose-in-hose type.
- 5 **Vervaeneana** (8-10). Double, large rosy salmon. 10 **Mme. Petrick** (8-10). Christmas flowering rose.
- 10 Triomphe (8-10). Double red with purple sheen. 10 Jean Haerens (8-10). Double, large dark rose.





Our flowering trial of Azaleas.

### COLLECTION No. 4

- 10 Albert & Elizabeth. Double white with pink border.
- Eric Schame. Early salmon rose with blush.
- 10 Jean Haerens. Double, large dark rose.
- 10 Mme. Petrick. Christmas flowering rose.
- 5 Perle de Swynaarde. Best double white.
- 5 Vervaeneana. Double, large rosy salmon.
- 5 **Violacea**, Deep purplish violet.
- 50 Grafted Indicas size 8-10 (Collection)......\$100.00

All collections F.O.B. West Chicago plus 5% packing charge on express shipments. Be sure to order by collection number.

## SEPARATE VARIETIES

## INDICAS—GRAFTED

Albert & Elizabeth. Double white with pink border.

Chimes. Brilliant red. Early.

Eric Schame. Early salmon rose with blush. Ernest Thiers. Semi-double, bold crimson . Ideal. Christmas flowering variegated.

Jean Haerens. Double, large dark rose.

Madame Petrick. Christmas flowering rose.

Miss Cottage Gardens. Deep red. Early.

Niobe. Late, double white.

Paul Schame. Early double salmon red.

Perle de Swynaarde. Best double white. Early.

**Simon Mardner.** Early, beautiful double rose. **Triomphe.** Double red with purple sheen.

Vervaeneana. Double, large rosy salmon.

Vervaeneana Alba. Large double, pure white.

Violacea. Deep purplish violet.

Each	Each
6 to 8 in <b>\$1.65</b>	.10 to 12 in\$2.50
8 to 10 in <b>2.00</b>	12 to 14 in 3.00

## **KURUMES**

Coral Bells. Dainty coral pink; semi-double.

Hexe. Deep crimson; semi-double dwarf.

Hinodegiri. Carmine red. Hardy.

Marjorie Ann. Rose pink.

Rival. Double salmon rose.

Rose Pericat. Hose-in-hose type. Light pink.

Salmon Beauty. Salmon pink. Hose-in-hose type.

Sensation. Deep pink, hose-in-hose pericat.

Snow. Pure white hose-in-hose type.

Sweetheart Supreme. Fine pink. Resembles Sweetheart Rose when opening.

Each	Each
4 to 6 in <b>\$ .65</b>	8 to 10 in <b>\$1.00</b>
6 to 8 in	10 to 12 in 1.50

Minimum total order 25 plants, 5 of any one variety or size. F.O.B. West Chicago. Add 10% for December and January storage, 20% for February storage. Packing charge 5% on express shipments.



## Small Plants

All the 21/4-in. stock listed below is grown in Ball Better Bands and shipped in our "Ball-Pak" or shipped out of 21/4 inch pots.

F.O.B. Shipping Point.

## ALL-DOUBLE PETUNIAS 21/4-In.

## December thru April

**Gaiety.** Dwarf and compact with flowers blotched rose and white. **Allegro.** Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants.

Sonata. Extra large, fully double, pure white flowers.

Nocturne. Semi-double, deep Elk's Pride purple.

**Rose of Canada.** Fully double, bright medium rose flowers about 3 inches across are freely produced on compact, bushy plants.

Canadian All-Double Mixture. A well-balanced mixture.

\$12.00 per 100, \$100.00 per 1000. Minimum order 100 plants.

## MELIOR BEGONIAS

May, June, July Delivery

Melior Improved Lady Mac Marjorie Gibb \$40.00 per 100. \$350.00 per 1000. 45c each in lots of 50 o

**\$40.00** per 100, **\$350.00** per 1000. **45c** each in lots of 50 or less. 250 or more at 1000 rate. Minimum order 25 plants.

## NORWEGIAN TYPE BEGONIAS

## Shipment from April 15 till supply is exhausted.

These Norwegian varieties are larger flowered with a much deeper pink color than the Meliors. They can be grown about 5 degrees cooler than our Christmas Begonias.

Tove. Light rose; early.

Karoline. Late, dark rose.

Solbachen. Dark rose; best for Christmas.

Dark Solbachen.

Skavane. New variety from Sweden.

Red Solfheim. New variety from Sweden.

**\$45.00** per 100, **\$400.00** per 1000. 250 at 1000 rate. Please order in multiples of 50. Express F.O.B. New York.

We offer a Collection of 50 plants, assorted from the above varieties, for \$25.00.

## **FUCHSIAS**

## Delivery October to April 1

LIEUR MACA INTRADUCTIONS	er 100	Per 100
Hollydale. Double, lavender pink		\$15.00
Winston Churchill. Double, deep violet	7.50	15.00
STANDARD VARIETIES		
Little Beauty. Red sepals, purple corolla (Bell), dwarf	5.00	12.00
Lord Byron. Red sepals, rich dark corolla, dwarf	5.00	10.00
Black Prince. Carmine or pink sepals and corolla. Tall	5.00	10.00
Pride of Orion-Double. Red sepals, large white corolla. Tall	5.00	10.00
FOB Shipping Point Minimum order 100 of	a variety	'.





## **DORMANT HYDRANGEAS**

Shipped in plenty of time for Easter or Mother's Day forcing. When ordering, please specify for which holiday they are wanted. F.O.B. Pittsburgh.

\*Strafford, Dark pink.

Hamburg. Carmine.

\*Europa. Salmon pink.

Altoona. Clear pink.

\*Rosabelle. Rose pink.

Regula, White.

Mereville. Light red.

\*These varieties are recommended for bluing.

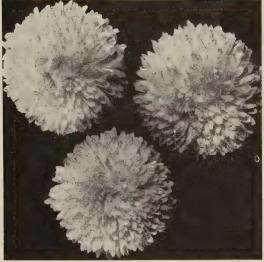
Each 3" Special pot, 1 br\$.35 3" Special pot, 2 br45	Each 5", 2 br
3" Special pot, 3 br55	5", 4 br
3" Special pot, 4 br60	5", 5 br
Kuhnert, Rose pink.	Gertrude Glahn, Dark rose.
Kument, Nose pink.	Gertrade Glaini, Dark 10se.
Each	Each
·	
Each	Each
Each 3" Special pot, 1 br\$.30	Each 5", 3 br\$.60
Each 3" Special pot, 1 br\$.30 3" Special pot, 2 br40	5", 3 br

HYDRANGEA

21/4 ln







ASTER

POINSETTIA

## SMALL PLANTS, Continued

## **ASTERS**

Lighted 21/4-In. Plants for June Flowering March 1 to May 15 Delivery

Pink Ball (New). Long stemmed, fully double flowers of soft shell pink. Quite wilt-resistant.

White Ball. A fine resistant white.

Ball Deep Rose. Long stemmed, bright deep rose. Very popular.

Ball Deep Purple. Rich bright purple; excellent stem.

Royal Azure-Blue. A fine commercial cut flower variety. Assorted.

\$9.00 per 100; \$80.00 per 1000. Minimum order 100; 25 of a variety.

## POINSETTIAS

21/4-In.

August-September-October Delivery

Per 100	Per 1000
\$25.00	
21.00	\$200.00
	200.00
19.50	185.00
19.50	185.00
17.00	160.00
17.00	160.00
17.00	160.00
	\$25.00 21.00 21.00 19.50 19.50 17.00

F.O.B. Shipping Point. Minimum order 100 plants.

## CYCLAMEN

2½-In. April-June

**\$22.00** per 100; **\$200.00** per 1000. Minimum order 100.

3-In. June-July

\$36.00 per 100, \$350.00 per 1000. Minimum order 50.

4-In. August

\$70.00 per 100. Minimum order 25.
Packing at cost.

## DELPHINIUM

Giant Pacific Hybrids 2½-In. Late March-Early June Delivery

Galahad. White.
Guinevere. Lavender.

Summer Skies. Light blue.
Blue Bird. Mid-blue.

King Arthur. Deep violet blue.

\$12.00 per 100; \$100.00 per 1000. Minimum order 100 plants.

Astolat. Pale blush pink shades with dark bees. \$15.00 per 100; \$125.00 per 1000.

Minimum order 100 plants.



Cyclamen growing is a specialized job. Special conditions of moisture, temperature, and soil must be closely watched or the 16-18 month's time required to mature a plant will be wasted. Our Ball Red Book devotes a chapter to Cyclamen growing.



DELPHINIUM



## **SMALL PLANTS, Continued**

## **GERANIUMS**

21/4-In.

## **Delivery August thru Spring**

### RED

### SALMON PINK

Better Times. Cerise.
Imp. Ricard. Bright red.
Olympic Red. Scarlet red.
Pride of Camden. Dark red.
Radio Red. Brilliant red.
Red Fiat. Bright red.
Red Barney.

Madam Landry. Bright salmon. Pink Fiat. Salmon pink. Salmon Supreme. Salmon pink.

### WHITE

Madam Buchner. White. Madonna. White.

Prices all above 21/4's: \$125.00 per 1000.

**Enchantress Fiat.** Appleblossom pink. **\$150.00** per 1000. Minimum order 100 of a variety. F.O.B. Shipping Point.

## **Rooted and Unrooted Cuttings**

### LIGHT PINK

Red Fiat. Bright red.

Enchantress Fiat. Appleblossom pink.

## SALMON PINK

## DE

Madam Landry. Bright salmon. Pink Fiat. Salmon pink. Salmon Supreme. Salmon pink.

## Better Times. Cerise. Imp. Ricard. Bright red. Olympic Red. Scarlet red. Pride of Camden. Dark red. Radio Red. Brilliant red.

## WHITE

Madam Buchner. White. Madonna. White.

Write for prices. Minimum order 500, 100 of a variety. Order in multiples of 100. 1500 can be shipped at a minimum air freight charge—please specify way to ship: air express, air freight, or railway express. F.O.B. San Diego, Los Angeles, and Santa Barbara.



CINERARIA SITER'S RAINBOW STRAIN



PRIMULA OBCONICA

21/4 inch plants ready from June thru December. Order now for delivery when you need them,

## PRIMULA OBCONICA

21/4-In.

## June-December Delivery

**Fasbenders Red.** An outstandingly fine, extra large flowered deep crimson red.

Muellers Berlin Rose (Muellers Rosea). Soft medium rose.

**Sky-Blue** (Coerulea). Clear mid-blue.

White. Rather tall growth.

\$10.00 per 100, \$90.00 per 1000. Minimum order 100 plants.

## PRIMULA MALACOIDES

21/4-In.

## Late September thru January

**Glory of Riverside Imp.** An excellent variety with beautiful salmon rose flowers.

White Giant. Pure white; large flowers and heavy stems.

**Brilliancy Imp.** Flowers open lavender—turn to dark, velvety red on compact plants of medium height.

\$10.00 per 100, \$90.00 per 1000. Minimum order 100 plants.

## CINERARIAS

21/4-In.

## September thru January

Assorted, Siter's and Cremer's Strains \$10.00 per 100, \$90.00 per 1000 Minimum order 100 plants.

Any Price Changes will be adjusted at delivery time.





Begonias make very nice small pot plants.

## **SMALL PLANTS, Continued**

## **BEGONIAS**

(Fibrous Rooted)

21/4-In. Available December to June

Adeline. Free flowering bright pink; dwarf.

Ball Deep Rose. Deep rosy red during winter and spring, changing to luminous pink

during warm weather. Dwarf.

Luminosa Compacta. Dwarf. Popular scarlet-red.

Ball Red. Dwarf. Medium flowers of bright scarlet.

Indian Maid. Intermediate. Bronze-leaved scarlet.

Carmen. Intermediate. Bright rose-pink flowers, bronze leaves.

Snowbank. Dwarf. Large, glistening white flowers.

Assorted.

\$12.00 per 100; \$100.00 per 1000, 250 at 1000 rate.

Minimum order 100; 25 of a variety.

## **SNAPS**

21/4-In. Available August thru March

## PINK and ROSE

Rosanna (Ball Hyb. No. 9). Strong, clean-growing, heavy-producing deep rose. Early.

Christmas Cheer, HYBRID. Rose-pink. (Available till Dec. 1.)

**Pensive.** HYBRID (New—Yoder Bros.). Flowers just after Christmas Cheer. Dark pink,

Whirlaway. HYBRID (New—Yoder Bros.). Medium early light pink with yellow lip. Good spike.

**Crusader.** HYBRID (New—Yoder Bros.). Good stem, long spike. Midseason, silvery rose pink.

Christina. HYBRID. Medium light pink.

**Pink Ice** (New Ball Hyb. No. 31—formerly Exp. Hyb. No. 77X). A bright medium rose with nearly white lips. A clean, firm grower with outstanding flower spikes. Early flowering and very attractive.

**Hercules** (New Ball Hyb. No. 21—formerly Exp. Hyb. No. 78X). Extra long spikes of closely set, medium pink florets are carried on long, hard stems with clean, grass-free foliage. Midseason.

## RED

Navajo (Ball Hyb. No. 8). Our best red.

## YELLOW

Golden Spike (Ball Hyb. No. 1). Golden yellow for mid-winter. War Admiral. HYBRID (New—Yoder Bros.). Outstanding vigor, uniform spike formation. A good yellow.

## WHITE

**Snowman** (Ball Hyb. No. 5), Pure white with no suggestion of ivory.

Margaret. Clean ivory-white; very productive. The most popular variety on our entire list.

## LAVENDER

Lavender Lady (New Ball Hyb. No. 71—formerly Exp. Hyb. No. 95X.) A deep, rosy lavender shade with excellent spikes and stems. This is unquestionably the finest lavender Snap we've ever seen. For late winter and spring.

## BRONZE

**Gallant Fox.** HYBRID (New—Yoder Bros.). Deep orange bronze. Close-set florets; a little earlier than our former offering, Barbara.

Prices all Snapdragon varieties:

\$8.00 per 100, \$65.00 per 1000. 250 at 1000 rate.

Minimum order 100; 25 of a variety.

GOLDEN SPIKE
(Ball Yellow Hyb. No. 1)





## Garden (HARDY) Muns

The Hardy or Garden type Mums are becoming increasingly important, not only for resale to home gardeners, but also as a source of outdoor cut flower material for retail growers. Following is our very complete list of varieties available as rooted cuttings for this spring and summer delivery. Because of last-minute shortages, it is important that you place your order with us as far ahead of delivery date as possible. Notice that our minimum order is 500 cuttings, and individual varieties must be ordered in multiples of 50 cuttings each.



ORLOMA New apricot bronze decorative.

## NEW DEPETRIS VARIETIES

Orloma. Luminous apricot bronze decorative. Bushy cushion habit of growth; very free and durable. Sept. 15.

Mme. Cadillac. Mulberry wine red, solid large Pompon type. Strong, bushy, and compact habit. Sept. 20.

Dwight Douglas. Dazzling golden yellow decorative. Medium tall and very free and excellent for cutting. Oct. 5.

Orsona. Reddish bronze, decorative. Very good bushy growth. Sept. 20.

Orpheus. Brilliant Roman red, large Pompon with perfect full form. Strong, long stems with perfect spray formation. Vigorous, clean, upright growth, Oct. 10.

Miguel. Radiant raspberry red decorative with good keeping qualities. An excellent cut flower. Oct. 8.

Genista. Very early solid yellow Pompon of good size. Dwarf, bushy habit. Sept. 12.

Prices above 7 new varieties, each: 50 cuttings for \$7.50; 100-250, \$14.50 per 100; 300-450, \$14.00 per 100; 500-950, \$13.50 per 100; 1000-2450, \$13.00 per 100; 2500 up, \$12.50 per 100.

## COMPLETE LIST

Types are abbreviated as follows. Pom.—Pompon; Dec.—Decorative; Sgl.—Single. Size of flower is indicated by S—Small; M-Medium; L-Large. P-Indicates varieties suitable for

Pomponette. Early yellow. Pom. Short......Sept. 15

Sunapee, Deep lemon, Pom. Tall......Sept. 15

Short :......Sept. 15

Yellow Supreme (H), Bright lemon, Cushion.

pots. C—Indicates varieties suitable for cutting. No orders for less than 50 rooted cuttings of a variety accepted. Minimum total order, 500 cuttings.

Golden Carpet. Golden yellow. Pom. Short....Sept. 15

Dec. Tall ......Sept. 15

**Defiance** (H). Golden yellow, Quilled petals.

## WHITE

		44 LI	116	
C:	Name and Description Flowering Date Candlelight. Cream-white, yellow center. Dec. Med	50 Only	Name and Description Pepita. Eggshell white, darker center. Button	50 Only
	Dec. MedSept. 15	\$3.00	MedSept. 28	\$3.50
P	White Cushion. White, shaded pink at cen-		Snow Fall. White, slight cream center. Dec.	,
	ter. Cushion. ShortSept. 15	3.00	Med Oct. 1	3.50
C.	D. D. Ahrens. Pure white. Dec. TallSept. 10	3.00	Ermine. Large, wide petaled ivory white. L.	5.50
	Paper White. White. Dec. Med. Sept. 10	4.00	Dec. Med Oct. 1	4.00
	Chris Columbus. White with yellow buds.		Spindrift. (New). White, L. Dec. Med Oct. 1	6.25
	Large Dec. TallSept. 15	3.50	C Winterset (H), Large white Dec. Med Oct. 1	3.25
	Calcite. White with pale yellow center.	3.50	Avalanche. Cream. L. Dec. Tall Oct. 5	3.25
	Heavy bloomer. Dec. MedSept. 15	3.00	Horizon. White. Pom. Med Oct. 5	4.50
	Drifted Snow. A mound of double white	3.00	Lyric. White. Sgl. Short Oct. 5	4.50
	flowers, shaded yellow. Dec. MedSept. 15	3.00	C Youdath's White. Double white. L. Dec.	7.50
D	Polar Ice. Pure white, double, 3 in. flowers.	3.00	Med Oct. 5	3.00
	L. Dec. MedSept. 15	3.50	Monogram. White, single. Short Oct. 5	4.00
C	White Bounty. White with cream center.	3.50	Classic. White Button, Tall	4.00
	Button, TallSept. 15	3.50	Maestro. White Pom. Short	4.00
C	White Tower, Cream, L. Pom, TallSept. 15		Renown. White daisy. Med	4.00
	White Wonder. Ball-shaped white. L. Pom.	3.70	PC White Spoon. Pure white. Med Oct. 10	3.00
	MedSept. 25	3.00	Silverplate. Dec. Med	4.00
	Shalimar (H), Cream, L. Pom, TallSept. 25		Silver Ball, White. Pom. Tall	2.75
C	White Cloud. White with delicate pink shad-	1.50	Irene. White, yellow center. Button. Med Oct. 15	3.00
-	ing. Dec. TallSept. 25	3.50	Norona. White. S. Pom. Med	4.50
	ing. Dec. runsept. 23	3.50	1101011d. 17711tc. 5. 1 0111. 71cd	T. 30
		YELI	LOW	
	Flowering		Name and Description Flowering	
	Name and Description Date	50 Only		50 Only
	Butterball. Butter yellow. Button. Short Sept. 1	\$3.00	P Yellow Chris Columbus. Bright Iemon. L. Dec. MedSept. 15	\$2.50
P	Early Gold. Golden yellow. Pom. Short Sept. 5	3.50	Yellow Avalanche. Light lemon. L. Dec.	\$3.5U
	Golden Hours. Chrome. Pom. Med Sept. 8	3.25	TallSept. 15	2 25
C	•	_		3.45
	Genista (New). Canary pom. MedSept. 12	7.50	Yellow Cushion. Light yellow. Cushion.	

For more than 50 of a variety, see price schedule on page 15.

3.00

3.00

3.00

3.50

4.50



## GARDEN (HARDY) MUMS

## YELLOW, Continued

C	Ming. Orange yellow pom. Med	50 Only \$5.00 3.25 3.25 5.00 3.25 3.00 5.00 5.00 3.25 3.	P P	Name and Description  James Eadie. Deep chrome. L. Pom. Tall  Polaris, Golden buff. Sgl. Med	Oct. 5 Oct. 5 Oct. 10 Oct. 10 Oct. 10 Oct. 10 Oct. 10 Oct. 10 Oct. 10 Oct. 12 Oct. 12	Price 50 Only \$3.25 4.00 3.25 5.00 3.00 3.25 4.00 4.00 4.50 4.00
	Med. Oct. 1 Chiquita. Deep lemon. Pom. Med. Oct. 1 Dwight Douglas (New). Golden yellow. L. Dec. Med. Oct. 5 Garland. Lemon. Sgl. Short. Oct. 5	3.25 7.50 4.50		Med.  Rodell Imp. Light lemon. Button. Med  Yellow Irene. Light lemon. Button. Med  Old Gold. Golden Pom. Med  D RED	Oct. 15 Oct. 15 Oct. 15	3.00 2.75 3.00 3.25
		g Price				
С	Name and Description  Early Harvest. Mahogany-orange. Cushion. Short	50 Only  \$ \$3.25 3.25 3.00  0 3.50 0 3.25 5.57 7.50 0 3.00 0 3.50 0 3.50 0 3.50 0 3.50 0 3.50 0 5.00	C C P P C P	Name and Description  September Cheer. Cherry red. Sgl. Med  Meditation. Jasper red. L. Pom. Tall  Burgundy. Wine red. L. Dec. Tall  Ruby Pompon. Ruby crimson. Pom. Med  Red Velvet. Dark crimson. L. Dec. Med  Mona. Rust bronze. Pom. Med  Courageous. Dark ruby. L. Dec. Med  Mrs. DuPont. Coral buff. L. Dec. Tall  Beacon. Coral apricot. L. Dec. Tall  Panorama. Orange rust. Dec. Tall  Aviator. Copper. Pom. Med  Awiator. Copper. Pom. Med  Amber Glow. Rosy bronze. L. Dec. Tall  Miguel (New). Raspberry red. Dec. Tall  Mayford's Triumph. Scarlet bronze. L. Inc. Tall  The Chief. Scarlet and gold. Dec. Med  James Stewart. Apricot-gold. Pom. Tall  Huntsman. Scarlet orange. L. Dec. Tall	Oct. 5 Oct. 5 Oct. 5 Oct. 5 Oct. 5 Oct. 5 Oct. 5 Oct. 8 Oct. 8 Oct. 8 Oct. 8 Oct. 8 Oct. 8 Oct. 8	\$3.00 3.25 3.00 3.00 3.25 4.00 3.25 3.50 4.00 5.00 3.25 7.50 3.50 4.00 3.25 3.50
СР	Short	5 3.00 5 3.50 5 5.00 8 3.50 8 4.50 8 4.50 6.25 3.50 5.00 5.00 5.00 5.00 5.00 5.00 5.00 6.25	PC C P	Caravan. Salmon bronze. L. Dec. Med	Oct. 10 Oct. 12 Oct. 12 Oct. 12 Oct. 12 Oct. 12 Oct. 15 Oct. 15 Oct. 15 Oct. 15	4.00 4.00 4.00 4.00 4.00 3.25 3.50 4.00 4.50
		PI	INK			
С	Name and Description  Gladness. China rose. Dec. Short	9 Price 50 Only 8 \$3.50 5.00 4.00 3.50	CC	Name and Description  Purple Star. Dahlia purple. Pom. Med  Barbara Small. Pinkish lavender. Pom. Tall.  Nye's Favorite. Lavender. Dec. Med  Orchid Helen. Orchid lavender. Dec. Med  Chippewa. Bright purple. L. Dec. Med	Sept. 10 Sept. 10 Sept. 10	\$3.00 \$3.25 3.50 4.50



## **GARDEN (HARDY) MUMS**

## PINK, Continued

	Flowering Name and Description Date	Price 50 Only		Price O Only
_	Violat Amorenth pink Days Mad Cont 15	,		
-	Violet. Amaranth pink. Pom. MedSept. 15	\$3.25		\$3.00
	Royal Robe. Purple. Dec. MedSept. 15		Alex. Cummings. Deep rose. L. Dec. Tall Oct. 3	6.25
	Fairbow. Lavender pink. Pom. MedSept. 20	3.50	Enterprise. Amaranth. Pom. Tall Oct. 5	5.00
	Tapestry. Bright pink. L. Dec. MedSept. 20	4.50	Pink Surprise. Lavender. Dec. Tall Oct. 5	3.50
	Heather Bloom. Heather pink. Dec. MedSept. 20	3.00	P Lavender Lady. Lavender pink. Dec. Tall Oct. 5	3.50
	Alert. Dark purple. L. Dec. MedSept. 20	3.50	Dream Girl, Light lavender. Pom. Med Oct. 10	3.50
	Major Cushion. Lavender. Cushion. ShortSept. 25	3.00	Argonne. Dark lavender. Pom. Med Oct. 10	3.50
	Olive Longland. Apricot-salmon. L. Dec.		Courtier. Lavender Pink. Dec. Med Oct. 10	4.50
	MedSept. 25		Lassie, Dark pink, L. Dec. Med Oct. 10	4.50
C	Spellbound. Lavender-pink. Dec. MedSept. 25	3.25	Orchid Spoon, Orchid lavender, Spoon, Med. Oct. 10	3.50
	Capt. J. Smith. Lavender-pink Cushion,		Rose Spoon, Lavender rose, Spoon, Med Oct. 10	3.00
_	ShortSept. 25	3.00	Masquerade, Lavender rose. Pom. Med Oct. 10	3.50
С	Pink Beauty. Salmon pink. Dec. MedSept. 25	3.00	Joybringer, Salmon rose, Dec. Short Oct. 10	4.00
	September Dawn. Rose pink. Dec. MedSept. 25	3.00	Winsome. Lavender purple. L. Ref. Tall Oct. 10	3.50
	Imp. Early Wonder. Deep lavender. Pom.		Sweetheart, Light lavender, Sgl. Tall Oct. 10	4.00
	MedSept. 25	3.00	Serenade, Magenta Sgl. Tall Oct. 10	4.00
	Rosita. Lavender rose, Button, MedSept. 28	3.25	Elizabeth Hood, Lavender pink, L. Dec. Med. Oct. 12	5.00
	Pink Opal. Persian rose. Pom. MedSept. 28	5.00	Salute. Deep orchid. Sgl. Tall Oct. 12	4.00
С	Betty. Pink, rose center. L. Dec. TallSept. 28	3.25		3.25
	Misty Maid. Light pink. Dec. MedSept. 28	3.50		4.00
	Malinda Brown. Lavender rose Pom. MedSept. 28	6.25	11003.01 1100   1   1   1   1   1   1   1   1	
C	Pat. Lehmann. Peach pink. Dec. TallSept. 28	4.50		3.50
	Fascination. Lavender pink. L. Dec. Med Oct. 1	6.25	-,,	3.00
	Myrtle Walgreen. Amaranth purple, L. Pom.		P Jewell. Lavender pink. Pom. Med Oct. 15	3.00
	Med Oct. 1	3.50	P Dark Jewell. Lavender pink. Pom. Med Oct. 15	3.00

	THIS TABLE INDIC	ATES PRICES FO		50 OF A VARIET	ΓY
50 Only	100-250 Per 100	300-450 Per 100	500 <b>-95</b> 0 Per 100	1000-2450 Per 100	2500-up Per 100
\$2.75	\$5.20	\$4.95	\$4.65	\$4.40	\$4.10
3.00	5.70	5.40	5.10	4.80	4.50
3.25	6.15	5.85	5.50	5.20	4.85
3.50	6.65	6.30	5.95	5.60	5.25
4.00	7.60	7.20	6.80	6.40	6.00
4.50	8.55	8.10	7.65	7.20	6.75
5.00	9.50	9.00	8.50	8.00	7.50
6.25	12.00	11.50	11.00	10.50	10.00
7.50	14.50	14.00	13.50	13.00	12.50

## SPECIAL COLLECTIONS of GARDEN VARIETIES

SPECIAL OFFER No. 1

SPECIAL OFFER No. 2

SPECIAL OFFER No. 3

500 rooted cuttings, our selection; 50 each of 10 taller varieties for cutting. **\$25.50.** 

500 rooted cuttings, our selection; 50 each of 10 medium to short varieties for pots or bedding. **\$25.50.** 

500 rooted cuttings, our selection; 50 each of 5 varieties for cutting, 50 each of 5 varieties for bedding. **\$25.50**.

## INSTRUCTIONS FOR ORDERING

The minimum total order that can be accepted is 500. Fifty of each variety is the minimum that can be supplied. More than 50 of a variety must be in multiples of 50.

Orders must be marked with a definite delivery date, such as May 10th, June 1st, etc. Orders marked "Early Delivery," "Deliver when ready," "Spring Delivery," are too indefinite.

**SUBSTITUTIONS**—We will substitute varieties as good or better for any items not listed unless order is marked **No Substitutions**.

**SHIPPING INFORMATION**—Special shipping instructions and address if different from your regular mail address should be shown on your order.

All cuttings are shipped Railway Express, Air Freight or Air Express, collect. If you have any preference, designate on your order; otherwise our shippers will use their best judgment. Cuttings are in perfect condition when they are accepted by the transportation company. Therefore, if there is any damage enroute from being broken, heated or frozen, CALL YOUR EXPRESS or AIR FREIGHT AGENT to inspect the shipment upon arrival, marking on express receipt or bill of lading the condition of the package and amount of damage, etc. YOU MUST FILE CLAIMS, as our responsibility ceases when the carrier accepts shipment. We cannot be responsible for the safe arrival of your cuttings.

IMPORTANT: ABSOLUTELY NO CHANGES ON YOUR ORDER CAN BE ACCEPTED WITHIN 30 DAYS OF DELIVERY DATE.





For your Easter pot plant sales, use Ball Crofts.

## Croft Lilies

## FOR EASTER POT PLANTS

For your Easter sales, use Ball Crofts, the most popular Lily for Easter pot plants. Be sure your bulbs are clean and disease-free.

To assure your getting the kind of bulbs you need, our bulbs are inspected by us thruout the growing season, and are also state inspected. Harvesting, grading, packing, and shipping are supervised by specialists according to our instructions. All our bulbs are pre-cooled and shipped at the proper time for planting in a 60° house. See cultural notes on page 30.

## BALL CROFTS

Available in the following sizes:	Per Case	5 Coses	10 Cases
Size 7-8 in., 250 bulbs per case			
Size 8-9 in., 200 bulbs per case		Prices	
Size 9-10 in., 150 bulbs per case		Later	
Size 10 in, up., 100 bulbs per case			

F.O.B. Cold Storage plant nearest you.

## FOR CUT FLOWERS

Ball Crofts make a large, more perfectly formed flower than other cut flower lilies. Close planting, adequate water, feeding, and slight shading will produce Croft Lilies plenty tall for cut flowers. Several cut flower checks we have had in past years averaged 30 inches.

The dates for flowering on the following planting schedule for Crofts for cutting are approximate. In warm weather they may vary 10 to 20 days, depending on temperature, sunlight, and the season of the year. Plant in 6 inch flats or bench direct—minimum night temperature 60°.

Plant	First Bloom March 15	Cut Finished Apr. 15	<b>Size</b> 7/8	Size	Space	No. of bulbs per sq. ft.
Nov. 15					•	*
Dec. 15	Apr. 15	May 15	7/8	7/8	4''x 6''	6
Jan. 15	May 15	June 5	7/8	8/9	6"x 6"	4
Feb. 15	June 1	June 20	7/8-8/9	9/10	6''x 8''	3
March 15	June 15	July 5	8/9-9/10			
April 1	July 1	July 20	8/9-9/10	After I	Feb. 1 spacing co	n be some
April 15	July 15	Aug. 5	8/9-9/10	, , , , ,	closer than abo	
May 1	Aug. 1	Aug. 20	8/9-9/10		closer than abo	ve.
May 15	Aug. 15	Sept. 10	8/9-9/10			

To insure delivery
from our

Cold Storage Plant
nearest you

Orders must be
placed
EARLY



Ball Crofts are inspected regularly thruout the growing season to assure you the best quality bulbs.



## Lilies for Cut Flowers

## **AMERICAN GROWN**

	F	10	E	
_				

## **Prefer for Easter Pots**

			No	vem	ber	to	May	Del	ivery		Per (	Case
7-8	in.,	250	bulbs	per	case	e				 	\$60	0.00
8-9	in.,	200	bulbs	per	cas	e				 	75	5.00

## **ESTATE**

December to May Delivery	Per Case
7-8 in., 250 bulbs per case	73.00

Ace and Estate Lilies shipped F.O.B. cold storage plant nearest you.

## **FLORIDII**

Delivery mid-September	
· · · · · · · · · · · · · · · · · · ·	Per Case
6½-7 in., 300 bulbs per case	.\$55.00
7-8 in., 250 bulbs per case	. 75.00
8-9 in., 200 bulbs per case	75.00

F.O.B. Atlanta and Chicago

Offered Subject to Crop

## JAPANESE GROWN

F.O.B. Shipping Point

## ALBUM (Speciosum)

## (White Rubrum)

	December to June Delivery	Per Case
7-9 in.,	250 bulbs per case	\$80.00
8-9 in.,	200 bulbs per case	75.00
9-10 in.	., 140 bulbs per case	75.00

## RUBRUM (Speciosum)

## Carmine Pink

December to June Delivery	er Case
7-9 in., 250 bulbs per case	\$40.00
8-9 in., 200 bulbs per case	38.00
9-10 in., 140 bulbs per case	36.00
9-11 in., 125 bulbs per case	36.00
10-11 in., 100 bulbs per case	35.00

## AURATUM (Gold Band) White, spotted crimson, gold stripes

December to March Delivery	Per Case
7-9 in., 250 bulbs per case	\$40.00
3-9 in., 200 bulbs per case	37.50
9-10 in., 140 bulbs per case	
0-11 in., 100 bulbs per case	35.00

## **ERABU**

September to February Delivery	Per Case
7-9 in., 300 bulbs per case	\$45.00
3-10 in., 225 bulbs per case	42.50
9-10 in., 200 bulbs per case	42.50
10-11 in., 150 bulbs per case	40.00

## **GIGANTEUM**

November to June Delivery	Per Case
-9 in., 300 bulbs per case	\$48.00
-10 in., 225 bulbs per case	48.00

All prices in this catalog were in effect when we went to press. Decreases or increases will be adjusted at time of delivery.

## **BALL HARDY LILY COLLECTION**

F.O.B. West Chicago

An ideal unit for growers who want only a small number of Lilies in several varieties.

Every unit contains cultural information for both greenhouse and outdoor growing of each variety. Pictures of each variety are also included to help you sell bulbs.

Each unit contains the following:

35 bulbs Croft, Trumpet, Pure white.

35 bulbs Regale. Trumpet. White with pale pink.

35 bulbs **Rubrum.** Reflex. Carmine-pink.
35 bulbs **Auratum.** Bowl. White, spotted crimson; yellow stripes.

35 bulbs Album. Reflex. White Rubrum.

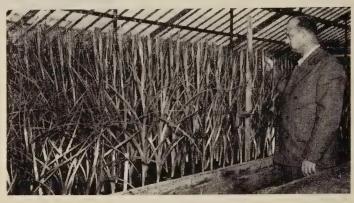


## West Coast-Grown Bulbs

Case lots F.O.B. shipping point nearest you.

## IRIS

WEDGEWOOD. Blue. Available in following sizes. Prices later.  $8\frac{1}{2}$ -9 in. 9-10 in. 10-11 in. 11 in.-up Per 1000 Other Varieties 7/8 8/9 D. Haering. Fine white, lavender blue shading..\$37.50 \$57.50 Golden Harvest. Golden yellow...... 46.00 60.00 32.50 Pacific Gold. Creamy yellow...... 46.00 60.00 57.50 White Excelsior. Pure white....... 46.00 60.00 White Superior, Large white...... 46.00 60.00 Yellow Queen. Golden yellow...... 46.00 60.00



IRIS WEDGEWOOD

A bench of Wedgewood for cut flowers in our West Chicago greenhouse. That's Clarence Bahnfleth, head of our Bulb Department, looking them over.

## **DAFFODILS**

## TRUMPET VARIETIES

King Alfred. Jumbo size.....\$110.00 per 1000

Per 1000

	1 61	000
	DN	DN
	No. 1	No. 2
King Alfred. Golden yellow	.\$95.00	\$70.00
Golden Harvest. Golden yellow		
Rembrandt. Dark golden yellow		
Aerolite. Yellow		
Flower Carpet. Deep yellow. Improved King		
Alfred		95.00
Mrs. E. H. Krelage. Creamy white		130.00
Spring Glory. White, yellow trumpet	.105.00	80.00
Queen of the Bicolors. White, yellow trumpet.		80.00
Other Classes		
Other Classes  Actaea (Poeticus). White, yellow cup, edge.	d	
		60.00
Actaea (Poeticus). White, yellow cup, edge-	. 85.00	60.00 45.00
Actaea (Poeticus). White, yellow cup, edgered	. 85.00 . 65.00	
Actaea (Poeticus). White, yellow cup, edgered	. <b>85.00</b> . <b>65.00</b>	
Actaea (Poeticus). White, yellow cup, edgered	85.00 65.00 d 80.00	45.00 60.00
Actaea (Poeticus). White, yellow cup, edgered	85.00 65.00 d 80.00	45.00
Actaea (Poeticus). White, yellow cup, edgered	85.00 65.00 d 80.00 65.00	45.00 60.00 45.00
Actaea (Poeticus). White, yellow cup, edgered  Cheerfulness (Double Poetaz). Creamy white.  Geranium (Poetaz). Pure white, orange recup  Laurens Koster (Poetaz). White, orange-yellow cup  Scarlet Elegance (Incomparabilis). Yellow orange red cup	85.00 65.00 d 80.00 65.00	45.00 60.00 45.00 60.00
Actaea (Poeticus). White, yellow cup, edgered	85.00 65.00 d 80.00 65.00	45.00 60.00 45.00 60.00 100.00
Actaea (Poeticus). White, yellow cup, edgered  Cheerfulness (Double Poetaz). Creamy white.  Geranium (Poetaz). Pure white, orange recup  Laurens Koster (Poetaz). White, orange-yellow cup  Scarlet Elegance (Incomparabilis). Yellow orange red cup	85.00 65.00 d 80.00 65.00 80.00 120.00	45.00 60.00 45.00 60.00

## **TULIPS**

	Per	1000
	12/up	11/12
Albino (Cottage), Pure white	\$60.00	\$48.00
Bartigon (Darwin). Bright red	45.00	37.50
Clara Butt (Darwin). Salmon pink	45.00	37.50
Cordell Hull (Rembrandt). Blood red on white	60.00	50.00
Dido (Cottage). Orange red	45.00	37.50
Dillenberg (Breeder). Orange, edged apricot	45.00	37.50
Elmus (Triumph). Carmine red, edged white	60.00	50.00
Farncombe Sanders (Darwin), Cochineal red	45.00	37.50
Golden Harvest (Cottage). Golden yellow	45.00	37.50
Her Grace (Mendel). White, edged lilac rose	60.00	48.00
Inglescombe Yellow (Cottage)	45.00	37.50
Insurpassable (Darwin), Lilac	60.00	48.00
Korneforos (Triumph), Light red	55.00	42.50
Krelage's Triumph (Mendel). Crimson red	45.00	37.50
Mrs. J. T. Scheepers (Cottage). Light canary		
yellow	60.00	48.00
Philip Snowden (Darwin). Carmine rose	45.00	37.50
Princess Elizabeth (Darwin), Rose	45.00	37.50
Prunus (Darwin), Salmon pink	45.00	37.50
Red Pitt (Darwin), Bright red	47.00	37.50
Rose Copeland (Darwin), Lilac rose	45.00	37.50
Shackleton (Mendel). Pure white	60.00	48.00
Utopia (Darwin), Cardinal red	45.00	37.50
White Sail (Mendel). Creamy white	45.00	37.50
Wm. Pitt (Darwin). Cochineal red	45.00	37.50

See Page 31 for Notes on Forcing Iris, Daffodils, and Tulips.





## Holland Tulips

Easter, 1954, will be on April 18.

## Order Early!

The earlier you place your order, the better chance you have of getting the quantities and varieties you want when you want them. Varieties not listed below but which are available in Holland can be supplied if you order early. And you may save on express charges on case lots if you order 3 to 6 months before shipping time, as we can arrange for shipment from a location near you in most cases.

## Unpack Bulbs as Received

When your bulbs are delivered, unpack and open all bags at once to allow fresh air to circulate around the bulbs. Plant as soon as possible.

All Tulips, 11/12 and  $12/\mathrm{up}$ , packed 250 per unit (bag). F.O.B. Shipping point.

## DARWIN

		***	
	1000		1000
12/up	11/12	12/up	11/12
Afterglow. 28". Orange rose\$55.00	\$47.00	*Princess Elizabeth. 26". Rose\$42.00	\$37.00
*Allard Pierson. 28". Crimson maroon 42.00	37.00	*Prunus. 24". Salmon pink	37.00
*All Bright. 24". Bright red 42.00	37.00	Queen of Night. 28". Deep velvet maroon 42.00	37.00
*Aristocrat. 28". Soft violet rose	67.00	*Red Pitt. 24". Bright red	38.00
*Bartigon. 24". Clear crimson red	37.00		
*Bartigon Max. Larger form of Bartigon 42.00	37.00	*Rose Copeland. 24". Lilac rose	37.00
*Campfire, 24". Blood red	37.00	Sunkist. 26". Deep golden yellow 50.00	45.00
Charles Needham, 24", Brilliant red 55.00	47.00	*The Bishop. 28". Violet purple 66.00	56.00
*City of Haarlem. 28", Scarlet 60.00	55.00	*Utopia. 22". Cardinal Red 42.00	37.00
Clara Butt. 24". Salmon, rosy pink 42.00	37.00	*Victoire de Oliveira. 26". Deep crimson 42.00	37.00
*Cordell Hull (Rembrandt), 24", Red on		*Wm. Copeland. 24". Lavender 42.00	37.00
white 52.00	47.00	*Wm. Pitt. 24". Brilliant carmine	37.00
*Demeter, 28". Reddish purple, early 72.00	62.00	Yellow Giant. 30". Golden yellow 42.00	37.00
<b>Eclipse.</b> 26". Crimson maroon	47.00	<b>Zwanenburg.</b> 26". Ivory white	47.00
Farncombe Sanders. 28". Scarlet 42.00	37.00		
Glacier (Wildlust). 26". Ivory white 57.00	48.00	Choice Mixture of Darwin Tulips 42.00	37.00
*Golden Age. 24". Yellow, flushed salmon		LATE BOURIE THILIPS	
orange 55.00	47.00	LATE DOUBLE TULIPS	
Insurpassable. 26". Lilac 55.00	47.00	*Coxa. 18". Carmen red, lighter edge 80.00	67.00
La Tulipe Noire. 26". Purple black 42.00	37.00	<b>Eros.</b> 20". Clear old rose	83.00
Niphetos. 26". Soft sulphur yellow 55.00	50.00	*Livingstone. 18". Cardinal red	62.00
*Philip Snowden. 24". Light carmine rose 42.00	37.00		
Pride of Haarlem. 28". Large cerise 42.00	37.00	*Mount Tacoma. 18". Pure white	47.00
*Pride of Zwanenburg. 28". Bright rose,		*Uncle Tom. 22". Dark glossy red110.00	100.00
lighter edge 57.00	54.00	*Best varieties for forcing.	



## Holland Tulips

(Continued)

COTTAGE TULIPS Y PO	er 1000	EARLY SINGLE TULIPS Per	1000
12/up		12/up	11/12
Advance. 30". Scarlet\$75.00	0 \$67.00	*Brilliant Star. 10". Scarlet\$60.00	\$52.00
*Albino. 20". Pure white 55.00		*Couleur de Cardinal. 13". Deep scarlet 60.00	52.00
Belle Jaune (Imp. Inglescombe). 24".		Crown Imperial. Mahogany edged, yellow 47.00	37.00
Yellow 42.00		*Fred Moore. 11". Apricot orange 47.00	37.00
*Carrara. 20". White 42.00	0 37.00	*General de Wet. 13". Yellow; flushed	
<b>Dido.</b> 28". Orange rose	0 37.00	orange	37.00
*Golden Harvest. 26". Lemon yellow 42.00		*Ibis. 12". Deep rose	37.00
G. W. Leak. 26". Scarlet, yellow base 55.00	0 47.00	*Keizerskroon. 14". Yellow flower, edged red. 60.00	57.00
Henry Correvon. 26". Geranium red, white		Pink Beauty. 12". Deep rose and white100.00	93.00
base	0 47.00	*Prince of Austria. 13". Orange scarlet 47.00	37.00
ingelscombe Yellow. 22". Medium yellow 42.00	0 37.00	*Rising Sun, 13". Golden yellow	37.00
Marjorie Bowen. 28". Soft rose, apricot edge. 42.00	0 37.00	*Sunburst. 12". Orange yellow, flushed red. 55.00	45.00
Marshall Haig. 28". Bright scarlet 57.00	0 50.00	*Van der Neer. 10". Violet 60.00	57.00
*Mother's Day. 24". Lemon yellow 42.00	0 37.00	*Vermilion Brilliant. 10". Vermilion red 60.00	57.00
Mount Erebus. 28". White	0 47.00	*White Hawk. 12". Pure white 47.00	37.00
Mrs. John T. Scheepers. 26". Light yellow 55.00	0 47.00	*Yellow Prince. 10". Yellow, sweet scented 47.00	37.00
Ossi Oswalda. 24". Cream, flushed rose 42.00		Choice Mixture of Early Singles	37.00
*Princess Margaret Rose. 22". Yellow, flushed		Choice Mixture of Early Singles	3,,,,,
orange red 42.00	0 37.00		
Rosabella. 24". Pale rose with lighter edge. 55.00		EARLY DOUBLE TULIPS	
Yellow Emperor. 24". Golden yellow 42.00		*Dante. 12". Blood red	75.00
			45.00
TRIUMPH TULIPS		*Electra. 10". Deep cherry red	45.00
*Alberio. 16". Cherry red; edged yellow 47.0	0 42.00	*Marechal Niel. 10". Yellow, flushed orange 55.00	45.00
*Aviator. 16". Carmine red; edged white 52.0		*Mr. Van der Hoef. 10". Pure yellow 55.00	45.00
		Murillo. 10". White, flushed pink 55.00	
*Bandoeng. 16". Mahogany red; edged yellow. 42.0"  *Crater. 16". Deep carmine red		*Orange Nassau. 10". Orange red 55.00	45.00
*Denbola. 16". Cerise red with cream 65.0		*Peach Blossom. 10". Deep pink 55.00	45.00
		*Schoonoord. 10". Pure white	45.00
*Edith Eddy. 18". Carmine red; edged white. 42.0		*Triumphator. 10". Deep pink	45.00
*Elizabeth Evers. 15". Beautiful pink 52.0		*Vuurbaak. 10". Scarlet	68.00
*Elmus. 18". Cherry red, white border 55.0		Choice Mixture of Early Doubles 55.00	45.00
*Hindenburg. 20". Garnet red, edged yellow. 52.0			
*Kansas. 16". Snow white		PARROT TULIPS	
*Korneforos. 20". Light red			
*Red Giant. 16". Soft red		Blue Parrot. 24". Dark lavender 42.00	37.00
*Telescopium. 20". Violet rose		Discovery. 26". Violet pink, edged white100.00	90.00
*Ursa Minor. 13". Golden yellow 47.0	0 42.00	Fantasy. 22". Deep salmon, blotched green. 42.00	37.00
AAFNIDEL TILLIDG		Orange Favorite. 22". Orange, green, yellow. 55.00	47.00
MENDEL TULIPS	·	Red Champion. 24". Flushed scarlet 75.00	65.00
*Fridjof Nansen. 16". Carmen red; medium	47.00	Sunshine. 18". Golden yellow 55.00	47.00
forcing		Therese. 24". Cochineal red 55.00	47.00
*Fuga. 10" Blood red; early forcing		Violet Queen. 24". Pearl blue	62.00
*Her Grace. 18". Pink and white 55.0	0 50.00		
*Krelage's Triumph. 14". Deep red; early	0 37.00	BREEDER TULIPS	
forcing. 42.0		BREEDER TOLIFS	
*Olaf. 14". Scarlet; early forcing	0 62.00	Bacchus. 26". Dark violet blue 55.00	47.00
*Scarlet Admiral. 16". Crimson; medium early	00 37.00	Cherbourgh. 30". Yellow, tinted bronze 75.00	65.00
*Schackleton. 16". Pure white		Dillenburg. 26". Orange edged apricot 42.00	37.00
*Van der Erden. 16". Glowing red; early 42.0		<b>Dom Pedro.</b> 24". Coffee brown	47.00
*Weber. 18". White and pink; medium early. 42.0		Indian Chief. 32". Mahogany red 55.00	50.00
*White Sail. 14". White; early		Louis XIV. 30". Bluish violet, flushed bronze. 55.00	47.00
TYTINE Juli. 14 . Writte, early	37.00	Orange Delight. 26". Bronze, flushed orange. 55.00	47.00
BOTANICAL TULIPS		Panorama. 20". Rich chestnut brown 42.00	37.00
(Fosteriana)		Tantalus. 30". Pale purple and lilac; flushed	37.00
		yellow	50.00
*Red Emperor. 20". Early flowering, fiery	00 60 00	*Best varieties for forcing.	
scarlet 67.0	00 60.00	Dest variences for foreing.	
20			



# Holland Grown Daffodils



KING ALFRED DAFFODIL The large, golden yellow flowers of King Alfred make it the most popular Daffodil on the market today.

## All Narcissi packed as follows:

Daffodils, DI	No. 1	500	per	unit	(case)
Daffodils, Di	No. 2	750	per	unit	(case)
Poetaz, DN	No. 1	750	per	unit	(case)
Poetaz, DN	No. 21	250	per	unit	(case)
Leedsii, DN	No. 1	500	per	unit	(case)

DOUBLE DAFFODILS		1000
DOUBLE DAFFODILS		DN
		No. 2
Texas. Yellow and fiery orange		
Twink. Creamy white, orange center	90.00	72.00
Van Sion. Yellow	90.00	72.00
TRUMPET DAFFODILS		
Aerolite. Yellow	90.00	75.00
Beersheba. Pure white		155.00
Flower Carpet. Deep golden yellow		95.00
Golden Harvest. Golden yellow		100.00
King Alfred. Golden yellow		70.00
Mrs. E. H. Krelage. Creamy white		95.00
President Lebrun. White, yellow trumpet		105.00
Queen of Bicolors. White, yellow trumpet		105.00
Rembrandt. Dark golden yellow		90.00
Romaine. Pure white		
Koniume. Tale willie	140.00	123.00
LEEDSI DAFFODILS		
Daisy Schaeffer. White, yellow cup	115.00	105.00
Fortune. Deep yellow, orange cup	115.00	105.00
Mrs. R. O. Backhouse. Creamy white, she	ell	
pink cup	110.00	100.00
Crange Glow. Pale yellow, orange cup		65.00
Scarlet Elegance. Yellow, cup deep orange re	ed. <b>75.00</b>	65.00
POETAZ DAFFODILS		
Cheerfulness. White, white & yellow center.	72.00	60.00
Geranium. White, deep orange-red cup		70.00
La Fiancee. White, light orange cup		65.00
Laurens Koster. White, yellow cup		65.00
Scarlet Gem. Yellow, red cup		
Scarler Gem. Fellow, rea cup	75.00	05.00

## Hyacinths

## REGULAR HYACINTHS

Bismarck, Light blue, very early forcer. Dr. Lieber. Medium blue, early forcer. Grand Maitre. Deep blue, medium forcer. King of the Blues. Dark blue, late forcer. Ostara. Violet blue, early forcer. Perle Brilliante. Clear blue, medium forcer.

## White

L'Innocence. Pure white, very early forcer.

## Red and Pink

Gertrude. Rosy pink, medium forcer. Jan Bos. Scarlet, very early forcer. Lady Derby. Light pink, medium forcer. La Victoire. Rosy red, medium forcer. Marconi. Bright pink, rather late forcer. Pink Pearl. Rosy pink, very early forcer. Queen of the Pinks. Bright, beautiful pink, for late forcing.

## Yellow

City of Haarlem. Golden yellow, medium forcer.

## Regular Hyacinths available in the following sizes:

Per 100	Per 1000
19/up, 50 per unit (bag) <b>\$18.00</b>	\$170.00
18/19, 50 per unit (bag) <b>16.00</b>	150.00
17/18, 100 per unit (bag)	130.00
16/17, 100 per unit (bag) 12.00	110.00
15/16, 175 per unit (bag)	100.00
14/15, 200 per unit (bag) 10.00	90.00

## PREPARED HYACINTHS

L'Innocence. Pure glistening white. Bismarck. Light porcelain blue. Pink Pearl. Bright, rosy pink.

Available in	the	following	sizes:	
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Per 100	Per 1000
19/up, 50 per unit (bag)\$22.00	\$200.00
18/19, 50 per unit (bag) <b>20.00</b>	185.00
17/18, 100 per unit (bag) 18.00	165.00

Delivery can be arranged in case lots from a location near you in most cases, if your order is placed 3 to 6 months before



## Holland Grown Tris

Van Vliet. Early dark blue. In White Excelsior. Pure white. GPrices above 4 varieties, each: 6/7, 6000 bulbs per case 7/8, 4000 bulbs per case 8/9, 3000 bulbs per case	iolden Harve	st. Yellow. Per 1000 \$ 9.00 13.00	Per Case \$50.00 50.00 57.00	
Yellow Queen. Pure yellow, 6/7, 6000 bulbs per case 7/8, 4000 bulbs per case			75.00 75.00	
White Superior. Fine, new white 6/7, 6000 bulbs per case 7/8, 4000 bulbs per case 8/9, 3000 bulbs per case	****************	25.00	90.00 96.00 99.00	
WEDGEWOOD, Light blue. Pe	- /	/9 9/10 .00 <b>\$22.0</b> 0	/	
Minimum order 1000 bull F.O.B. Chicago (Case lots F.O				
CRO	CUS			
	Flowering	B 1000		
	8/9	Per 1000 9/10	10/11	
Blue and Purple		\$30.00	\$35.00	
White		40.00	50.00	
Yellow	40.00	50.00	60.00	
Striped	25.00	30.00	35.00	
CHIONODOXA (Glory of the Snow)  Alba. White. \$22.00  Lucillae. Light blue. 18.00  Sardensis. Deep blue. 18.00				
	NTHUS wdrop)		Per 1000	

## MUSCARI (Grape Hyacinth) Per 1000 Armeniacum. Bright blue.....\$14.00 Early Giant. Blue......14.00

Nivalis Simplex. Single, pure white 5/6 cm.....\$27.50 Nivalis Fl. Plena. Double, pure white. 4/5 cm........... 35.00

Heavenly Blue.	Sky Blue	14.0
	IXIA	

9/10

\$17.00

17.00 17.00

If grown in pots in carnation house temperature will flower late February and early March. Colors are rich, varied, and beautiful. Named Varieties ......\$15.00 

## IRIS COLLECTIONS

Delivery late September and October

F.O.B. Chicago (New York until August 15)

### COLLECTION No. 1

To plant out in the South, or to plant in frames in the North (must cover with straw to bring them thru). Flower April to June, depending on location.

Quantity	Variety and Description	Size
1000	Van Vliet. Dark blue.	6/7
2000	Yellow Queen. Yellow.	5/6
1500	White Excelsior. White.	6/7
2000	Imperator. Dark blue.	6/7

6500 Bulbs (Collection)......\$50.00

### COLLECTION No. 2

To plant in field or frame, and in greenhouse for late flowering.

Quantity	Variety and Description	Size
1000	Imperator. Dark blue.	7/8
1000	Yellow Queen. Yellow.	6/7
1000	White Excelsior. White.	7/8
1000	Van Vliet. Dark blue.	7/8

4000 Bulbs (Collection)......\$50.00

## COLLECTION No. 3

For greenhouse forcing.

Quantity	Variety and Description	Size
1000	Imperator. Dark blue.	8/9
1000	Golden Harvest. Yellow.	8/9
1000	White Excelsior. White.	8/9
	The (Collection)	\$57.00

## SCILLA (Siberian Squill)

	Pe	r 1000
Siberica. Brilliant blue,	7/8	\$18.00
Siberica Alba. White.	Top size	22.00
Siberica Spring Beauty.	Large, light blue. 9/10	25.00

## SCILLA COMPANULATA

(Wood Hyacinth)	op Size
Pe	er 1000
Myosotis. Light blue	\$25.00
Rose Queen. Pink	18.00
White Triumphator. Pure white	25.00



## Holland Bulb Collection

## 1125 BULBS FOR COUNTER SALES

## Early September Delivery

Order at once to be sure of delivery when your customers want them. Colored posters to help your sales come with each collection.

- 25 Hyacinths, Blue.
  25 Hyacinths, Pink.
  25 Hyacinths, White.
  125 Tulips, William Pitt. Brilliant carmine.
  125 Tulips, Philip Snowden. Deep rose.
  125 Tulips, All Bright. Deep red.
  125 Tulips, Wm. Copeland. Lavender.
  125 Tulips, Carrara. Pure white.
  125 Tulips, Golden Harvest. Lemon-yellow.
  125 Tulips, Rhineland. Crimson, edged yellow.

- 125 Tulips, Rhineland. Crimson, edged yellow.
  25 Tulips, Red Emperor. Fiery scarlet.
  25 Tulips, Blue Parrot. Dark lavender-blue.
- 25 Tulips, Fantasy. (Parrot.) Deep salmon, blotched green.
- 100 Daffodils, King Alfred. Golden yellow.

1125 Bulbs (Collection) .......\$54.00

Should any varieties be sold out when your order is received, we will substitute with equally good or better named varieties. F.O.B. Chicago (East Coast till July 15).









## West Coast-Grown Bulbs

## **RANUNCULUS**

## September to February Delivery

F.O.B. California or West Chicago

Tecolote Giants. By far the largest and most magnificent strain of Ranunculus ever offered to the trade. Flowers are very double, blended with semi-double. Centers are usually light

Golden Yello Orange Sha		Yellow Shad White Shade		Red Shades Pink Shades
Prices, abov	e separate c	olors:		
	1 inUp	7/8-1 in.	$\frac{3}{4} - \frac{7}{8}$ in.	$\frac{5}{8} - \frac{3}{4}$ in.
Per 1000	\$77.50	\$60.00	\$40.00	\$27.50
Mixed Color	'S			
	1 inUp	7/8-1 in.	$\frac{3}{4} - \frac{7}{8}$ in.	$\frac{5}{8} - \frac{3}{4}$ in.
Per 1000	\$75.00	\$52.00	\$35.00	\$25.00
Minimum o	rder 100			

## ANEMONE

## September Delivery

Monarch de		e Poppy type.		
	7⁄8 inUp	$\frac{3}{4} - \frac{7}{8}$ in.	$\frac{5}{8} - \frac{3}{4}$ in.	$\frac{1}{2}$ - $\frac{5}{8}$ in
Per 1,000	\$52.00	\$42.00	\$27.00	\$11.00
St. Brigid.	Creagh Castle	e, double.		
	Bright blue,	•		
	,			
His Exceller	ncy. Bright so	carlet, single.		
The Bride.	Pure white, s	single.		
Rosea. Sylp	phide, fuschio	-rose single.		
Prices, abov	e 5:			
	7/8 inUp	$\frac{3}{4} - \frac{7}{8}$ in.	$\frac{5}{8} - \frac{3}{4}$ in.	$\frac{1}{2} - \frac{5}{8}$ in
Per 1000	\$60.00	\$48.00	\$34.00	\$14.00
Minimum o	rder 100, 25	0 at thousand	rate.	

## **AMARYLLIS**

MIXED				
	$2\frac{1}{2}-2\frac{3}{4}$ in.	$2\frac{3}{4} - 3$ in.	3-3 1/4 in.	$3\frac{1}{2}-4$ in.
Per 100	\$25.00	\$30.00	\$40.00	\$45.00
Per 1000	225.00	275.00	375.00	425.00
SEPARATE Shades	COLORS—C	rimson, Red,	Scarlet, and	Variegated
Snades	$2\frac{1}{2}-2\frac{3}{4}$ in.	2 <sup>3</sup> / <sub>4</sub> -3 in.	3-31/4 in.	3½-4 in.
Per 100	\$35.00	\$40.00	\$50.00	\$60.00
Per 1000	325.00	375.00	475.00	575.00
NEAR WH	ITE			
Per 100	50.00	55.00	60.00	70.00
	F.	O.B. Californ	nia	

All prices in this catalog were in effect when we went to press. Decreases or increases will be adjusted at time of delivery.

## CALLAS

F.O.B. West Coast or West Chicago

## **AETHIOPICA** (Large White) August Delivery

	Per 100	Per 1000
1 1/4 - 1 1/2"	\$ 8.75	\$ 77.50
1 1/2 - 1 3/4"	15.50	145.00
1 3/4 - 2"	22.00	210.00
2-21/2"	28.50	275.00
21/2" up	32.00	300.00

## GODFREY (Small White) **August Delivery**

Very soft bulb. Shipment direct from California only. We will not be responsible for condition of bulbs on delivery.

	Per 100	Per 1000
1-11/4"	\$ 8.00	\$ 75.00
11/4-11/2"		150.00
1 1/2 - 1 3/4"	 	225.00
1 3/4" up		300.00

## ELLIOTTIANA (Yellow) November Delivery

		Per 100	Per 1000
1 3/4 - 2"		\$11.00	\$ 97.50
	***************************************		165.00
21/2-3"		32.00	300.00
	***************************************		415.00

## ALBA MACULATA

(White with Spotted Foliage)

## **November Delivery**

	P	er 100	Per 1000
1 3/4 - 2"		\$10.00	\$ 90.00
			150.00
21/2-3"	p	27.50	265.00
3" up	***************************************	40.00	390.00

## REHMANNI SUPERBA (Pink) November Delivery

	P	er 100	Per 1000
1 1/4 - 1 1/2"		11.00	\$100.00
1 1/2 - 2"	****************	14.00	130.00
2-21/2"		20.00	180.00
21/2" up	•••••	27.50	265.00

## ARUM PICTUM (Black) July Delivery

	Per 100	Per 1000
1 1/2 - 2"	\$25.00	\$240.00
	37.50	
2½" up	45.00	415.00

## BABY WHITE CALLA September Delivery

1	Per 100	Per 1000
Large size clumps\$	19.00	\$180.00
Medium size clumps	13.00	120.00



No 2

28.00

## West Coast Glad Bulbs

Our bulbs are hand dug, hand cleaned and graded, and are not mutilated or bruised by machinery. This costs us more, but it is your insurance of quality stock. Our stock is guaranteed true to name, and free from disease and thrip. Full size and

count, hand graded and selected. Sold under usual disclaimer. The following are the very finest varieties for commercial growing. Delivery January to May.

## PINK and SALMON

	No. 1	No. 2
	1½ in. up	11/4-11/2 in. Per 1000
Chamouny. Cerise-rose, silver edge	\$35.00 35.00 35.00	\$28.00 28.00 28.00
Phantom Beauty. Light pink		
Picardy. Shrimp-pink		28.00
Spic and Span. Ruffled deep pink, salmo	n	
shading	38.00	32.00
Tivoli. Soft rose-pink, lighter throat	38.00	32.00
LAVENDER and BLU		20.00
Abu Hassan. Dark violet-blue		38.00
Blue Beauty. Medium blue	35.00	28.00
Elizabeth the Queen. Ruffled lavender	35.00	28.00
King Lear. Ruffled purple	35.00	28.00
Ravel. Violet, reddish brown throat		

## GLADIOLI COLLECTION

For Bulb Sales or Cut Flowers

Contains 250 No. 2 size bulbs each of the 8 popular varieties listed below. Colored pictures to help you sell bulbs come with each collection. Order now and be ready for those early spring sales. Delivery January to May.

Chamouny Dr. Bennett Ethel Cave-Cole Margaret Beaton Minuet Picardy Snow Princess Yellow Emperor

1 Case of 2000 Bulbs (Collection)......\$56.00

## WHITE, CREAM and YELLOW

		140. 2
		$1\frac{1}{4}-1\frac{1}{2}$ in.
	Per 1000	Per 1000
Golden Arrow. Light yellow	\$45.00	\$38.00
Leading Lady. Cream-white sport of Picard		28.00
Margaret Beaton. White, cherry throat	35.00	28.00
Pactolus. Ruffled buff with red blotch	45.00	38.00
Snow Princess. Milky white; light cream		
	,	30.00
blotch	35.00	28.00
Spotlight. Deep yellow with small scarle	et	
blotch	38.00	32.00
Sunspot. Light apricot-buff		38.00
Yellow Emperor. Rich yellow	38.00	32.00
RED		
Beacon, Salmon-scarlet, cream throat	35.00	28.00
Burma. Deep rose-red, ruffled		28.00
Nancy. Bright scarlet-red; extra fine	38.00	32.00
Red Cherry. Red scarlet		38.00
Valeria. Light red	_	28.00
Tulettu. Light red	33.00	20.00
MIXTURE		
MIXIONE		

F.O.B. West Chicago or West Coast. Minimum order 500 bulbs; 100 of a variety. 250 or more of any one variety at 1000 rate. Cash with order, or 25% deposit will hold bulbs until shipment is wanted, providing it does not exceed May 1st, unless other provisions are made. Field and storage are State inspected. All bulbs offered are subject to prior sale, so, if out of any variety, we will substitute with one equally good or better unless instructed otherwise. All shipments will be made by express collect

Florists' Mixed. Well balanced................. 35.00

## FREESIAS

## August-September Delivery

## TECOLOTE HYBRIDS

Flowers of immense size, wide open and delightfully fragrant. Plants of unusual strength and vigor. Tall strong stems, Much finer than the standard commercial varieties.

Talisman (Pat. #555). Bright orange-pink; rich cream throat.

Pure White Light Yellow Rose

**Bright Red** Lavender Finest Blue Pink Mixture

## Other Giant Hybrids

Mammoth White. Giant large, pure white blooms. Very early. Mammoth Yellow. Similar to Giant Imp. Golden Daffodil. Very early.

Elder's Golden Giant. Bright golden yellow. Large, wide open flowers. Tall.

Oriole. Fine, deep golden orange. Earliest to bloom.

## Standard Commercial Varieties

Achievement. Dark golden yellow with dark orange throat. Blondies. Mixture of platinum to gold. Very early. Large flowers.

Golden Wonder. Large, clear yellow.

Judy Double Yellow. Large double yellow.

Blanche Blue. Fine, large blue.

Elder's Giant White. Late blooming.

Elder's Double White. Large, double white.

Flo. Large flowering deep blue.

Rosy Morn. Large rose.

Sunset. Golden orange-yellow.

## Above Freesias available in the following sizes:

	1/2 - 5/8 ""	5/8 - 3/4 ""	3/4 - 7/8 ""	7/8"-Up
Per 100	\$ 2.00	\$ 3.00	\$ 4.50	\$ 5.00
Per 1000	\$17.00	\$24.00	\$37.50	\$45.00

## Rainbow Mixture. Mixture of all colors.

	1/2 - 5/8 "	5/8 - 3/4 ""	3/4 - 7/8 "
Per 100	\$ 1.50	\$ 2.50	\$ 4.50
Per 1 0 0 0	\$12.00	\$20.00	\$37.50

Minimum order 100. F.O.B. California or Chicago.



## American-Grown Bulbs

## FANCY LEAVED CALADIUMS

For Pot Plants, Cutting and Garden

Candidum. Leaf snow white with green veins and network. Narrow green border.

Stoplight. Leaf shining crimson with bluish tint.

W. B. Haldeman. Medium leaf of bright pink with narrow green edge.

John Peed. Shining bright metallic red center on moss green ground.

Lady in Red. Fine dwarf, shining red leaf, with bronzy hue.

Exposition. Leaf bright red; dark green edge.

Macahyba. Dark moss green leaf, spotted lilac, with scarlet ribs.

Red Flare. Similar to Scarlet Pimpernelle; blotched with two shades of green.

**Crimson Wave.** Deep green leaf with crinkled, transparent crimson center. **Red Ensign.** Dwarf. Leaves of metallic red with narrow green border.

Mrs. F. Sander. Dark green leaf, heavily blotched transparent deep rose.

Pink Cloud. Large, crinkly leaves of mottled pink with cloud-like effect.

Fire Nymph. Light green, mottled with shades of bright pink and straw color.

Reconcavo. Delicate rose center with carmine ribs.

Red Glory. Deep carmine with heavy scarlet ribs and narrow green edge.

Richard Deckard. Coppery rose with crimson ribs, blotched pink.

Assorted.

Available in the following sizes:	Per 100	Per 1000
3 ½ in. up—Mammoth	\$45.00	\$400.00
$2\frac{1}{2} - 3\frac{1}{2}$ in.—Jumbo	35.00	300.00
$1\frac{1}{2}-2\frac{1}{2}$ in.—No. 1	25.00	200.00
1-1½ in.—No. 2	12.00	100.00

All Caladium tubers shipped f.o.b. Florida. Minim

Minimum order 50 bulbs.



Caladiums make ideal pot plants and are fine for cutting and outdoor bedding in partial shade.

## CANNAS

Quality 3- to 5-eye divisions for delivery December through spring. F.O.B. Shipping Point

**The President.** This variety is extremely popular. Double flowering, rich red clusters 7 to 10 inches in diameter, 8 to 10 inches long. Heavy green foliage. Dwarf,  $2\frac{1}{2}$  to  $3\frac{1}{2}$  ft. high.

Red King Humbert. A remarkable Canna, a favorite for years. Large scarlet-red flowers 6 to 7 inches in diameter. Bronze foliage. Broad, tropical leaves. 3½ to 4 ft. high. Yellow King Humbert. An old favorite, considered one of the best yellow Cannas. Flowers are yellow, blotched with red. Petals are large, measuring from 4 to 5 inches in diameter. Foliage is a light green. Medium height, 3 to 4 ft.

City of Portland. Fine pink flowers that hold their color through hot, dry periods. Clusters measure 4 to 5 inches in diameter. Attractive deep green foliage.  $3 \, \frac{1}{2}$  ft. high.

Prices above Cannas, each: \$6.00 per 100, \$55.00 per 1000. Minimum Order 100, 50 of a variety. 250 at 1000 rate. Shipping boxes hold 200 Divisions. F.O.B. shipping point.

## IMPORTED FROM FRANCE

August-September Delivery

Case lots F.O.B. New York or West Chicago. Less than case lots F.O.B. West Chicago.

LILIUM CANDIDUM  22/24 cm. (8/9)	26.00	NARCISSI PAPER WHITES Per 1000 13/14 cm
FRENCH ROMAN HYACINT	THS Per 1000	14/15 cm. 65.00  GRAND SOLEIL D'OR
Blue 13/14 cm 14/15 cm	50.00	American Grown         Per 1000           14/15 cm.         \$50.00



## Tuberous Rooted Begonias—Gloxinias



Tuberous-Rooted Begonias.

## **BELGIAN GROWN**

## **BEGONIAS**

Delivery December-January

## DOUBLE CAMELLIA FLOWERED

DOODEL	CAMELLIA	ILOWENED	
Scarlet	Crimson	Yellow	Copper Rose
Salm	on White	e Orange	Mixed
Prices:	$1\frac{1}{4}-1\frac{1}{2}$ in	. 1½-2 ii	n. 2 in. Up
Per 100	\$ 7.50	\$ 12.50	0 \$ 17.50
Per 1000	60.00	100.00	150.00
Minimum oi	rder 50 bulbs.	F.O.B. West Chi	cago.

## **GLOXINIAS**

## Delivery December and January

Emperor William, Violet bordered white. Emperor Frederic. Scarlet bordered white.

King of the Reds. Red. Etoile de Feu. Brilliant red.

Princess Elizabeth. Blue with white throat. Blanche de Meru. Rose with white throat.

Violacia, Violet,

Queen Wilhelmina. Pink. Mont Blanc. White.

Mixed. All above colors.

1 1/4-1 1/2 in.  $1\frac{1}{2}$  - 2 in. 2 in. Up Prices: \$10.00 \$ 17.50 \$ 25.00 Per 1000 80.00 155.00 225.00 Minimum order 50 bulbs. F.O.B. West Chicago.

### AIR FREIGHT (For Early Delivery)

Belgian grown Gloxinias and Tuberous Rooted Begonias are shipped direct to New York by air freight at an additional cost. November and early December delivery. Minimum order 250 bulbs. F.O.B. New York.

## AMERICAN GROWN

## BEGONIAS

Delivery January and February

## DOUBLE CAMELLIA FLOWERED

White Yellow Scarlet Light Salmon Apricot Crimson Rose Blush Dark Salmon Pink Orange Cardinal Red American Beauty Flame Orange Rose Dark Red

### DOUBLE FIMBRIATA

White Orange Rose Salmon Blush Yellow Dark Red Red Salmon Dark Salmon Pink Apricot Scarlet Cardinal Red Crimson Rose Flame Orange

## DOUBLE PICOTTEE

Pink Rose Salmon Red Apricot

## DOUBLE HANGING BASKET

Yellow Red Scarlet Salmon Orange

## GIANT SINGLE FRILLED

White	Yellow	Pink	Scarlet	Rose
Dark Red	Salmon	Apricot	Orange	Fascination
Prices: Per 100 Per 1000	1 ½-1 ½ in. \$ 9.50 85.00		$1 \frac{1}{2}$ -2 in. \$ 14.50 135.00	2 in. Up <b>\$ 19.00</b> <b>180.00</b>

Minimum order 50 bulbs. F.O.B. California or West Chicago.

## **GLOXINIAS**

## Delivery January and February

Emperor William. Violet bordered white. Emperor Frederic. Scarlet bordered white.

Roi des Rouges. Dark crimson. Etoile de Feu. Scarlet

Princess Elizabeth. Blue with white throat. Blanche de Meru. Rose with white throat.

Violacia. Soft violet. Prince Albert. Dark violet. Mont Blanc. White.

Tigrinia. Spotted and netted.

 $1\frac{1}{4}-1\frac{1}{2}$  in. Prices: 2 in. Up \$ 17.00 \$ 25.00 Per 100 \$ 32.00 150.00 Per 1000 225.00 300.00 Minimum order 50 bulbs. F.O.B. California or West Chicago.

## TUBEROUS BEGONIA and GLOXINIA COLLECTION

Belgian Grown **Delivery January to March** F.O.B. West Chicago

All bulbs in this collection should be started in a minimum night temperature of 70° to be finished in 5 or 6 inch pots. These bulbs are ideal for bedding in partial shade, and you should have bulbs available for counter sales.

Each unit contains:

150 Tuberous Rooted Begonias.  $1\frac{1}{2}$ -2 inch. Assorted.

100 Gloxinias. 11/2-2 inch. Assorted.

250 Bulbs (Collection) .......\$33.50



## Dahlias

Delivery March-April-May 1953

## LARGE FLOWERING DAHLIAS

P	er 10	Per 100
A. D. Livoni (Show type). Clear rose pink\$	2.00	\$15.00
Avalon (Dec.). Clear sulphur yellow		15.00
	3.00	24.00
Exquisite (Dec.), White with a touch of		
lavender	3.00	24.00
Francis Larocco (Dec.). Pale sulphur yellow	2.75	22.00
French Buff (Dec.). Buff; a good cut flower	2.75	22.00
Gallant Fox (Dec.). Dark red	2.35	18.00
Jane Cowl (Dec.). Buff, blending to apricot	2.75	22.00
Jean Kerr (Show type). Medium sized		
pure white	2.35	18.00
Jersey's Beauty (Dec.), Beautiful pink	2.75	22.00
Kentucky (Dec.). Salmon Jersey Beauty	2.75	22.00
Marshall's Pink (Dec.), Soft pink	3.00	24.00
Michigan White (Dec.). Fine commercial white	3.00	24.00
Mrs. I. de ver Warner (Dec.). Large lilac rose	2.75	22.00
Pink Flamingo (Cactus type). Clear pink with	4.00	26.00
yellow undertone	4.00	36.00 24.00
Pride of California (Dec.). Vivid red	3.00	22.00
Red Jersey Beauty (Dec.). Commercial red	2.75	24.00
Rosy Dawn (Ball type). Yellow, tipped rose	3.00	24.00
Sanhican's Monarch (Informal Dec.), Deep	3.00	22.00
rose, lighter edge  The Commodore (Dec.). Large rich yellow	2.35	18.00
Thomas A. Edison (Dec.). Royal purple	4.75	42.50
White King (Dec.), Florist white	2.35	22.00
Mixed Colors.	2.00	15.00
Mixed Colors.	2.00	13.00

## POMPON DAHLIAS

Amber Queen. Autumn shade	1.75	12.00
	2.00	15.00
Bronze Beauty. Buff to rich bronze	1.75	12.00
	2.00	15.00
	2.35	18.00
Joe Fette. Medium sized, pure white	2.35	18.00
	2.35	18.00
	2.35	18.00
	2.00	15.00
	2.35	18.00
	2.00	15.00
	2.35	18.00
	2.00	15.00
	2.35	18.00

F.O.B. Shipping point. Minimum order 100, 10 of a variety.

## PEONY COLLECTION

25 each of the following varieties:

\*Baroness Schroeder (Late), White.

\*Felix Crousse (Midseason). Brilliant red.

\*La Lorraine (Midseason), Cream white. \*Mons. Jules Elie (Early), Deep pink.

\*Richard Carvel (Early). Brilliant red.

\*Sarah Bernhardt (Late), Apple blossom pink. 

## Peonies

## Fall-1953

## September 15 to Mid-November Delivery

The best grade of strong 3 to 5 eye divisions available. All shipments F.O.B. shipping point by express collect. Minimum order 50 divisions, 10 of a variety. We will substitute varieties as good or better for any that may not be available unless your order is marked "no substitutions." Write for prices for 1000 or more.

## WHITE

Per 10 Per 100

	Per 10	rer 100
A. B. Franklin (Midseason). White	\$12.00	\$100.00
*Avalanche (Midseason). White		60.00
*Baroness Schroeder (Late). White	7.00	60.00
*Elsa Sass (Late). White	20.00	175.00
Festiva Maxima (Early). White, red center.	6.50	55.00
Frankie Curtis (Midseason). White	8.00	70.00
Kelways Glorious (Midseason). White	15.00	125.00
*La Lorraine (Midseason). Cream white	8.00	70.00
Le Cygne (Early). Milk white	15.00	125.00
Mary B. Voires (Late). White	7.00	60.00
*Mother's Day (Midseason). White	20.00	150.00
Moonstone (Midseason). Cream white	60.00	550.00
Myrtle Gentry (Late), White	12.00	100.00
*Plymouth (Very late), White		140.00
Solonge (Late). Cream white	7.00	60.00

## PINK

\*Alice Reed Bates (Midseason). Medium

pink,	20.00	175.00
Grace Babson (Late). Deep pink	8.00	70.00
Hansina Brand (Late). Pink white	17.50	135.00
John Deegar (Late), Pink	8.00	70.00
*Lady Kate (Late). Orchard pink	8.00	70.00
Lake of Silver (Late), Pink		60.00
Lillian Gumm (Late), Shell pink	7.00	60.00
Loren Franklin (Late). Deep bright pink	12.00	100.00
Martha Bullock (Midseason). Rose pink	8.00	70.00
Minuet (Late), Pink	9.00	80.00
*Mons. Jules Elie (Early). Deep pink	7.00	60.00
*Mrs. F. D. Roosevelt (Midseason). Shell		
pink	25.00	200.00
Nancy Dolman (Late). Medium pink	8.00	70.00
Pres. F. D. Roosevelt (Late), Pink	15.00	125.00
*Sarah Bernhardt (Late), Apple blossom		
pink	7.00	60.00
Walter Faxon (Midseason). Salmon pink	7.00	60.00
DED		

## RED

"Augustin D'Hour (Midseason), Red	7.00	60.00
*Felix Crousse (Midseason). Brilliant red	6.00	50.00
Inspector La Vergne (Midseason). Red	7.00	60.00
Karl Rosenfield (Midseason). Dark red	8.00	70.00
Mary Brand (Midseason). Deep red	9.00	80.00
Onondago (Midseason). Red	15.00	125.00
*Richard Carvel (Early). Brilliant red	8.00	70.00
Rosalie (Midseason). Rose red	7.00	60.00
Sir John Franklin (Late). Red	20.00	160.00

YELLOW				
Laura Dessert	(Midseason).	Yellow	8.00	70.00

\*Preferred varieties for out flowers.



## Variety Recommendations

We recommend the following list of Hyacinths, Tulips, Daffodils, Iris, and Lilies for the main flowering periods. Varieties may vary with the demand in your locality, depending on your past experience.

	JANUARY	VALENTINE'S DAY	MARCH	EASTER CROP	MOTHER'S DAY
HYACINTHS (Pages 22, 23, 27)	FORCING  (Prepared)  Pink Pearl L'Innocence Bismarck  (Regular)  Pink Pearl L'Innocence Bismarck  Jan.	L'Innocence Pink Pearl Bismarck Marconi La Victoire Grand Maitre Perle Brilliante	FORCING  L'Innocence Pink Pearl Bismarck Marconi Grand Maitre Perle Brilliante Dr. Lieber La Victoire	L'Innocence Pink Pearl Bismarck Marconi Grand Maitre Perle Brilliante La Victoire Queen of the Pinks King of the Blues	DAT
TULIPS (Pages 17, 20, 21, 23)	Single Early Brilliant Star General De Wet Ibis Fred Moore Mendel Krelage's Triumph White Sail Darwin Rose Copeland Wm. Copeland  (Amer. Grown Pre-cooled) Darwin Red Pitt Wm. Pitt Utopia Rose Copeland Cottage Albino Golden Harvest	Single Early Gen. De Wet Mendel Olaf Weber Krelage's Triumph Van der Erden White Sail Darwin Bartigon Amer. P. Snowden Stock Wm. Pitt Red Pitt Rose Copeland Cottage Golden Harvest Albino Double Early Mr. Van der Hoeff Peach Blossom Orange Nassau Electra Triumph Denbola	Mendel Van der Erden Olaf Darwin Bartigon Campfire P. Snowden Rose Copeland Insurpassable Princess Eliz. Wm. Pitt Red Pitt Cottage Golden Harvest Albino Carrara Triumph Korneforos Alberio Denbola	Darwin Bartigon Wm. Pitt Red Pitt Princess Eliz. Campfire P. Snowden Prunus Niphetos Cottage Carrara Albino Golden Harvest Double Early Mr. Van der Hoeff Peach Blossom Orange Nassau Electra Triumph Korneforos Crater Alberio Denbola	Darwin Bartigon Campfire Insurpassable Charles Needham Far. Sanders Niphetos Cottage John T. Scheepers Belle Jaune Rosabella G. W. Leak Albino
DAFFODILS (Pages 17, 22, 23)	(Dec. and Early Jan., Pre-cooled) King Alfred Golden Harvest Rembrandt (Pots) (Late Jan., regular American)	(American or Holland grown) Trumpet King Alfred Rembrandt Golden Harvest Poetax Laurens Koster Double Texas	(American or Holland grown) Trumpet King Alfred Rembrandt Mrs. Krelage Qu. of Bicolors Romaine Poetaz Cheerfulness Double Texas	(American or Holland grown) Trumpet King Alfred Rembrandt Qu. of Bicolors Romaine Mrs. Krelage Poetaz La Fiancee Cheerfulness Double Texas Twink	
IRIS (Pages 17, 24)	Wedgewood (Decearly Jan., Amer. Pre-cooled, 9/10 and 10/11)	Wedgewood (Amer., Regular, 9/10 and larger. Holland, 9/10, 10 up	(American or Holland grown) Wedgewood, 8/9, 9/10 Imperator, 8/9 Wh. Excelsior, 8/9 Yel. Queen, 7/8 D. Haering, 8/9 Gold. Harvest, 8/9 Wh. Superior, 8/9	(American or Holland grown 7/8) Imperator White Excelsior Yellow Queen D. Haering Golden Harvest White Superior	(American or Holland grown 7/8) Imperator White Excelsior Yellow Queen D. Haering Golden Harvest White Superior
LILIES (Pages 18, 19)	Rubrum Album	Erabu Georgianna	Croft Georgianna Giganteum Erabu	Pots Croft Ace Cutting Georgianna Croft Erabu Regale Estate Giganteum	Croft Regale Estate Erabu Giganteum



## Notes on Bulb Culture

## SUGGESTIONS FOR CROFT LILY FORCING

The bulbs should be potted as soon as received from cold storage. Nothing is gained by placing them in pots larger than 6 inch unless the bulbs are unusually large. The potting soil should be low in nitrates. The use of old Chrysanthemum soil is not advocated because high nitrates inhibit root action. The incorporation of superphosphate at the rate of a 4 inch pot per wheelbarrow  $(2\frac{1}{2} \text{ bu.})$  is desirable. After potting water well and place pots beneath bench until roots are formed. They should be well-formed by the last week in December. When placing pots on the bench water well. Some authorities recommend keeping them definitely on the dry side until the bud is formed, when watering is increased. Others advise watering freely, as limiting the water used tends to dwarf the plant and reduce flower size as well as favor bud-blasting. Syringing with water during the growing season is beneficial according to some forcers, but avoid allowing water to stay in the leaf cluster at the top of the plant when the buds are just visible, as there is danger of inducing bud rot.

Croft Lilies develop exceptionally large foliage and unless given adequate space the lower leaves will turn yellow and become unsightly. Space so that the leaves barely touch each other. Regular fertilizing when the plants are 4-5 inches high, with either a complete fertilizer or nitrogenous fertilizers such as ammonium sulfate, nitrate of soda, etc., prevent the yellowing of lower leaves due to nitrogen deficiency. Failure to fertilize every 2 to 3 weeks will produce a plant with light-colored foliage. Neil Stuart states: "We feed our plants when they are a few inches tall, about a month later, and again, before flowering, using a complete fertilizer such as 5-10-5 at the rate of a teaspoonful per pot. If applied as a liquid, from 1 to 2 pounds of 5-10-5 plus a pound of nitrate of soda or sulfate of ammonia per 100 gallons of water is satisfactory when about half pint per pot is applied."

When the buds are just visible, it requires about 5 weeks until maturity at  $60^{\circ}$  F. You should be able to count the buds 42 days before Easter. When the buds bend over from their upright position it requires 2 weeks at  $60^{\circ}$  F. Some advise reducing the temperature one week before sale to harden the plants.

In case the plants are late, they may be forced more rapidly by raising the temperature as high as 80-90° F., but it is essential to maintain high humidity, by frequent syringing to keep the plant growing properly. Watering with 70-80° F. water hastens development of the buds. Be careful in using cold water as too sudden a change in temperature often causes lower leaf drop. The use of 100-watt bulbs suspended 2 feet above the tops of the plants, spaced 4 feet apart from 4-6 hours after sundown is also beneficial for extra heavy forcing. Don't stop growth at any time. Keep them coming, slowly if necessary. When growth of Croft is stopped, it is slow to start again.

Aphids are a serious pest on Lilies in that they spread mosaic and may cause splitting of the bud with heavy infestations. They are readily controlled with nicotine, Vapotone, or various other sprays. See planting schedule on page 18.

## TUBEROUS ROOTED BEGONIAS

For early flowering, place tubers during January and February in a warm place in open trays. Moisten slightly once in

a while until they have come to life. As they begin to sprout, plant in flats in a mixture of peat and sand, leaf mold and sand, or peat alone—all of which are good mediums for developing a root system. Plant tubers 3 to 4" apart so they are a half inch below the surface. Keep uniformly moist but not too wet, in a warm place, well lighted, until 3 or 4" of growth develops. Then plant in a permanent location or 4" pots, 5" if large bulbs are used.

The front of the plant is always where the tips of the leaves are pointing. Often if dormant tubers are planted in open ground, especially if it is too cold or wet, a number of them may rot and the planting will be uneven, with some coming earlier and some later, with the plants facing in haphazard ways. Started first in flats, they will develop a splendid root system which is necessary for the forming of fine plants.

**POTTING SOIL:** Use a soil mixture of  $\frac{2}{3}$  coarse leaf mold or well rotted compost and  $\frac{1}{3}$  sand and sandy loam top soil, plus the addition of some granulated charcoal and cottonseed meal or bonemeal. They need a light, coarse, well mixed soil. When the plants need shifting into large pots, use the same soil mixture.

**FEEDING:** If well grown specimens are desired, additional feeding will be required, either with fish or cottonseed meals, both of which will give fine results. The best method of using these fertilizers is to mix with the soil that goes into the lower half of the pot, so that the roots will gradually reach into this area. If planting outdoors, a heaping tablespoonful for small plants and two for large plants will be sufficient when placed in the lower half of the planting hole. In pots, a tablespoonful for a 6" pot or a small handful for an 8" pot will be enough to carry the plants thru the season. See that the fertilizer does not come into contact with the stem or the leaves, as this may cause a burn and attack the growing tissues of the plant.

An outside planting can be made in May, preferably in loose soil and shaded for several days after planting. Space plants about 8" apart. A small amount of fertilizer added in July will stimulate growth and flowers. Location should be in partial shade.

**WATERING:** After transplanting, gentle overhead watering is best until the plants are well established. Too heavy watering during the young stage may pack the soil, keeping it too wet, thereby causing the soil to go sour. Later when the plants are in full growth, they will require a steady supply of moisture as the root system is shallow and any drying out will give a setback to normal development.

Sizes of pots to be used for various size bulbs:

Bulb size 2" up—minimum 8" or 9" pot. Bulb size  $1\frac{1}{2}$ -2"—use a 7" pot. Bulb size  $1\frac{1}{4}$ - $1\frac{1}{2}$ "—use a 6" pot or smaller.

An ideal window box for the north side of a house can be planted up with double Tuberous Rooted Begonias, Caladiums and variegated Vinca vines.

## **GLOXINIAS**

Culture and soil should be about the same as for Tuberous Rooted Begonias except they like more heat and humidity. The average temperature about  $70^{\circ}$ . Very little shade except just after re-potting. Humid atmosphere must be kept at all times.



## NOTES ON BULB CULTURE—Continued

## FORCING HYACINTHS

When Hyacinth bulbs are received they should be unpacked immediately. The bulbs should be carefully spread out on trays. Keep them as dry as possible and in a well-ventilated room between 55 and  $60^{\circ}$  until potted.

Potting for early forcing should be done as soon as possible after the bulbs are received. For later forcing, bulbs should be potted about 3 months before forcing. Use a light, porous soil mixture—sterilized soil is best. If planted in beds, cover the bulbs with 4 to 6 inches of soil. Immediately after potting, place in a bulb cellar or bury out-doors in a shaded location under 6 inches of sandy soil covered with a straw mulch so they won't freeze. During this storage period, Hyacinths make their root system which is necessary before forcing starts. Ideal temperature for storage after planting is around 50°. They should be watered regularly.

As soon as the root system is well established and the growth is well above the pots, they can be moved into a 65 to 75° location for forcing. Until foliage is well out and buds are showing, the plants should be kept in a fairly dark place. During the last 10 days or 2 weeks the plants should be moved out into the light and a cooler temperature for proper coloring of the flowers. Thruout this forcing period, Hyacinths should be kept warm and moist with frequent waterings.

Approximately a month of forcing is required to bring Hyacinths into flower during December, January, February and March. 3 weeks will suffice for Easter.

Prepared Hyacinths have been treated with heat either in the fields when the bulbs are produced or immediately after digging so that the flower bud emerges quicker than normal. Prepared Hyacinths are forced exactly the same as outlined above except that they can be brought out for forcing sooner—by December 1st or earlier.

Top size bulbs should be used for forcing.

## FORCING TULIPS

Tulip bulbs for forcing should be planted in benches, flats or pots as soon as possible after receiving them. If not possible to plant immediately, they should be taken out of containers and spread out in a cool  $(48^{\circ}$  is ideal) dry location. Bulbs give off heat and are apt to "heat" if allowed to remain in bags. Bulbs should be grown at  $48^{\circ}$  from planting time. Plant in a loose, well drained soil, preferably sterilized. Water regularly so the soil is never allowed to become dry.

As soon as the shoots emerge from the ground occasionally spray with a Fermate solution of 1 lb. to 100 gal. of water. This will control fungous diseases that may destroy foliage. Free ventilation and care not to wet foliage also helps prevent the spread of diseases.

Varieties vary in the time required for forcing. The following table shows the principal varieties used and the dates to begin forcing and the date of expected flowering. Forcing consists of raising the temperature to  $55^{\circ}$  for 2 weeks and then increasing to  $60^{\circ}$ . Forcing temperatures should not be allowed to go much above  $60^{\circ}$  any time. These temperatures should be maintained uniformly day and night.

Pre-cooled bulbs have been specially treated by storage at about  $48^\circ$  so that the stem and flower buds elongate within the bulb. With this treatment earlier flowering is possible.

	PRE-COOLED BULBS		REGULAR BULBS		
Variety	Begin Forcing	Flowering Date	Begin Forcing	Flowering Date	
Albino	Dec. 5	Jan. 5	Dec. 14	Jan. 21	
Golden Harvest	Dec. 15	Jan. 15	Dec. 21	Feb. 1	
Red Pitt	Dec. 20	Jan. 20	Jan. 1	Feb. 10	
Rose Copeland	Dec. 10	Jan. 10	Dec. 21	Feb. 1	
Wm. Copeland	Dec. 10	Jan. 10	Dec. 21	Feb. 1	
Wm. Pitt	Dec. 20	Jan. 20	Dec. 31	Feb. 10	
Utopia	Dec. 27	Jan. 27	Jan. 7	Feb. 17	
Bartigon	Dec. 26	Feb. 5	Jan. 15	Feb. 20	

Most Cottage or Darwin varieties are suitable for forcing. The Single Early and Mendel varieties flower earlier but don't produce as good quality flowers.

Best results are obtained by using large sized bulbs.

## FORCING DAFFODILS

Bulbs should be unpacked and planted as soon as received; planting should be as close together as possible—"bulb on bulb." Particularly pre-cooled bulbs will be delayed considerably in flowering by allowing the bulbs to remain in their cases for even a few days. Daffodils prefer a loose, well drained soil, preferably sterilized. Bulbs should be grown at 48° (either in a bulb cellar, out-doors or in greenhouse bench) until the shoot is at least 3 inches long—longer for later forcing does no harm. Forcing consists of raising the temperature to 60° for 3 weeks and then to 65°. This temperature should be maintained uniformly day and night.

American-grown Daffodil bulbs are best for mid-winter forcing. For earliest forcing, pre-cooled bulbs are recommended. Dutch bulbs may be used for late winter and spring flowering. King Alfred, American grown Double Nose No. 1, pre-cooled, is the generally accepted extra early forcing variety. These bulbs can usually be forced beginning the end of November. If not pre-cooled, forcing usually can be started about Dec. 15.

## FORCING WEDGEWOOD IRIS

**WEDGEWOOD:** American stock and the largest bulb possible should be used for pre-cooling and early forcing. The smaller size bulbs should be used for later flowering in both pre-cooled and regular. The sizes available today are:  $8\frac{1}{2}$ , 9/10, 10/11 and very few 11/up.

**PRE-COOLING:** Bulbs must be pre-cooled a minimum of 5 weeks in a constant temperature of  $50^\circ$  with a relative humidity of 70% or more. Bulbs should be turned or moved each week so that the cool air will reach all bulbs in the bag or in the case. They should be planted immediately as taken from cold storage in as cool a soil as possible and grown for 10 days to 2 weeks in a temperature between 50 and  $55^\circ$ . Gradually increase the temperature to  $60^\circ$  for best results.

**PLANTING:** Iris can be planted in pots, flats or benched direct. Have a minimum of 4 to 5" of soil so there is ample room for development of the root system. Spacing can be approximately 2 x 4 or 3 x 4 for early planting. The later the planting the closer they are spaced. The early planted stock will have very heavy and strong foliage that will require more room to prevent them from going blind. The preferred method of planting is to thoroughly soak the bench and push the bulbs into the soil, putting on a covering of soil or peat approximately  $\frac{1}{2}$  or  $\frac{1}{2}$ —then re-water again so the bench is thoroughly wet. Iris roots will not develop satisfactorily if the soil is allowed to dry out during the first few weeks.

**WATERING:** Do not allow your Iris bulbs to dry out from the time they are planted until the crop has been harvested. The temperature of the water used should be as near the air temperature in which you are growing your Iris, as possible. It is a severe shock to the crop if grown in approximately  $60^{\circ}$  to water with temperatures of  $50^{\circ}$  or less. The temperature of the water has caused a great deal of difficulty in early forcing.

cutting IRIS: Usually Iris are pulled—pulling the bulbs out of the soil or the maximum stem length from the bulb. They should be put in water immediately if going to the market the following day. If you wish to hold them a few days, put in a refrigerator in a temperature of 45 to 48° without water. At the time you wish to use them bring them out and put them in water the night before and they will open up very nicely for you. Most growers prefer to cut Iris when 3/4 of an inch of color is showing on the bud.



## Florists Supplies



## LINDIG SOIL SHREDDERS

## Model B

		Without Power	With 3/4 H.P. Electric Motor	With 1 H.P. Electric Motor
Model	1B-4	\$130.00	\$195.00	
Model	1B-6	135.00	200.50	
Model	2B-6	160.00	225.50	\$247.50
Model	2B-8	175.00	*********	262.50
		Model JR-	В	

Model JR-B without power\$ 95.00Model JR-B with  $\frac{1}{3}$  h.p. motor136.00Model JR-B with  $\frac{1}{2}$  h.p. motor152.00Motors complete with switch and six feet of cord.With gas engines151.50

All prices and specifications are subject to change without notice.

All prices F.O.B., St. Paul, Minn.

## PLASTICS for STERILIZING COVERS

F	UMICOVER (Bla	ck) Price
Roll Size		Per Roll
100 x 10 ft		\$32.00
100 x 13 ft		42.50
150 x 10 ft		45.00
	VISQUEEN (Clea	
Roll Size		Per Roll
100 x 16 ft		52.75
Additional lengths F.O.B. Binghamtor	can be ordered in mu	Itiples of 50 ft. only.

CLOTH FOR SHADING  Sewed Per Sq. Yd.  Super American Black Sheen. Reliable, and will give up to 8 years perfect shading if properly cared for. Sewed with Orlon. \$0.66	Not Sewed 3 ft. Width Per Sq. Yd.	
FOR CLOTH HOUSES Storm King Aster Cloth	.18	

## LABELS

Our product is manufactured from selected soft white pine lumber and is guaranteed to meet all the requirements of the nursery and florist industries. Prices F.O.B. Shipping Point, subject to change without notice.

COPPER	WIRED	Per	1000
Size		Plain	Painted
31/2 x 5/8	inch	\$3.30	\$4.10

POT LABELS	Per	1000
Size	Plain	Painted
4 x 5/8 inch	\$2.75	\$3.30
5 x 5/8 inch	3.00	3.60
6 x 5/8 inch	3.30	4.05
8 x 5/8 inch	4.80	6.00
10 x 5/8 inch	5.80	7.10
12 x 5/8 inch	6.80	8.40
The 4, 5 and 6 inch pot labels are packed in cartons of 1000 each and the 8, 10 and 12 inch in cartons of 500 each.		

GARDEN STAKES	Per	1000
Size	Plain	Painted
8 x 7/8 inch	\$ 7.30	\$ 8.50
10 x 1/8 inch	8.30	9.60
12 x 1 1/8 inch	14.00	16.00

The 8 and 10 inch stakes are packed in cartons of 250 each, and the 12 inch stakes in cartons of 100 each.

## INSECTICIDES

Soilene. 25 lbs., \$8.00; 50 lbs., \$15.00.

**Apomite.** 1 qt. can, **\$3.50**; 1 gal. can, **\$11.00**; 5 gal. can, **\$50.00**.

Detex. 1 qt. can, \$3.50; 1 gal. can, \$11.00; 5 gal. can, \$50.00.

## "CARNATION PACK"

Pat. No. 2,247,191

1000			
5000	30.50	per	1000
10,000	28.50	per	1000
25,000	26.50	per	1000
50,000			

Write for prices on larger quantities.

Printing in one color on face of holder, \$3.75 per 1000 extra on all amounts up to 10,000. Printing free on 10,000 or more. Please state clearly name, address, etc. to be used. Prices F.O.B. Castorland, New York, and subject to change without notice.

## CUPRINOL WOOD PRESERVATIVE

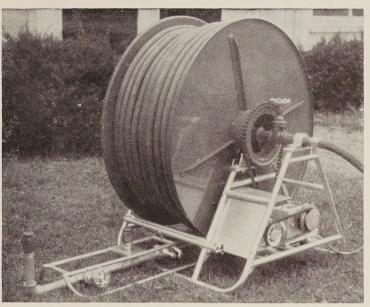
Green for Wood #10. 1 gallon, \$4.70; 5 gallons, \$4.40 per gallon; 50 gallons, \$4.20 per gallon.

For Florists #14. 5 gallons, \$2.85 per gallon; 50 gallons, \$2.65 per gallon.

Clear for Wood #20. \$4.70 per gallon; 5 gallons, \$4.40 per gallon; 50 gallons, \$4.20 per gallon.

**Brown Stain #70.** 1 gallon, **\$4.70**; 5 gallons, **\$4.40** per gallon; 50 gallons, **\$4.20** per gallon.

F.O.B. Shipping Point. Prices subject to change without notice.



## Hoseboye

Do you spend more time watering than you can spare from all your other work?

Here is your chance to get your watering done right and still have more—yes, more—time to do the other chores that must be done.

## **HOSEBOYE**

is an automatic, economical method of watering. You need only place this electric powered hose reel and sprinkler in position, turn it on, and go about your other tasks until two benches are watered. Then on to the next aisle.

For a complete description, see February '53 Grower TALKS.

**HOSEBOYE,** complete with 150 ft.  $\frac{3}{4}$  in. ID plastic hose, sled and 2 fan-type flat spray nozzles, **\$345.00**. F.O.B. Cincinnati.

Mfg. by Oldfield Equipment Co. and distributed exclusively by Geo. J. Ball, Inc.



## ADAPTABLE!

Water 1 bench, 2 benches, or the whole house with fine mist or heavy spray, whichever is needed. Use for raised or ground beds.



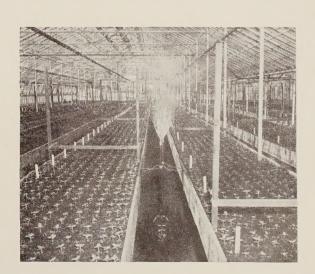
PORTABLE!

easily moved from one bench or house to another.



**EASILY ADJUSTED!** 

You don't have to be a master mechanic to use it.





## This Year

... you will find the plant and cutting offerings in the first 15 pages of the catalog.

Some of the Roses offered are so new that at printing time prices had not been established. All inquiries will, of course, have our prompt attention.

Triomphe D'Orleans
One of the best Red Roses for pot forcing—early.



Flowering trial of Carnations at our range. This is Aurora (white) and George K. Ball.



